

UMASS/AMHERST



312066 0285 3051 8

Digitized by the Internet Archive
in 2010 with funding from
Boston Library Consortium Member Libraries

The Commonwealth of Massachusetts.

1914

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE

TREASURER AND RECEIVER-GENERAL.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
32 DERNE STREET.

1914.

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 15, 1914.

Under the provisions of chapter 526 of the Acts of the year 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1914, to be paid by the cities and towns comprising the various metropolitan districts, are compiled and printed as a public document.

In recent years it has been the custom to compute at the rate of 3 per cent. the earnings of the sinking funds to the maturity of the loans for which they were established. In my opinion this rate is too low, as the sinking funds have earned far more than 3 per cent., and for the last three years have earned more than 4 per cent. By computing the earnings at a rate so much lower than they actually earn, the various cities and towns of the metropolitan districts have been assessed for a larger amount annually than would be necessary if the rate of computation were higher. Careful investigation has convinced me that a basis of 4 per cent. would be not only fair but entirely safe and conservative, and accordingly the sinking funds this year have been computed upon a 4 per cent. interest earning basis. The only exception is in the case of metropolitan parks loan, series two, which has been computed on the old basis of 3 per cent. The reason for this is that this loan is for "boulevards," the assessments for which are apportioned, one-half to the Commonwealth and one-half to the metropolitan district. The Legislature called for the amount of the Commonwealth's half very early in the year, before the new rate had been definitely decided upon, and this determined the amount of the assessment of the district's half for this year. The attention of the public is invited to the very substantial reduction in the assessments levied upon the various cities and towns of the metropolitan districts for the sinking funds on which the interest-earning basis of 3 per cent. has been raised to 4 per cent. Thus, for example, the assessment levied upon the city

of Boston falls from \$514,113.69 in 1913 to \$291,976.76 in 1914; Brookline, from \$22,074.94 to \$15,638.93; Cambridge, from \$32,767.67 to \$24,743.91; Lynn, from \$4,181.75 to \$2,212.50; Malden, from \$22,065.96 to \$14,987.70. Upon the whole metropolitan district the figures of the assessments for these same sinking funds for 1913 under the old basis of computation were \$812,869, and in 1914, under the new rate, this amount has been reduced to \$492,402, or approximately 40 per cent. less.

These reductions will continue practically the same annually until the end of the term, thus distributing the burden of taxation over a longer period of time than was possible under the old rate. If the policy of computing the sinking funds on a 3 per cent. interest earning basis were continued, the result would be that each loan would be filled long before it was time to pay it, and it is plain that this would mean that the present generation would be bearing part of the burden of taxation that should be borne by posterity.

Such a policy seems to me to be indefensible. Sinking funds should be computed as closely to the rate that they are actually earning as is possible with safety, and if they are in reality earning more than 4 per cent. I see no reason for figuring them as low as 3 per cent. If 4 per cent. should prove to be too high in any future year it is a simple matter to reduce the rate of computation.

FREDERICK W. MANSFIELD,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1914.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewer, North and South Systems.	Charles River Basin.	Total.
Arlington, . .	\$16,583 29	\$10,395 41	\$14,611 90N	\$1,222 72	\$42,813 32
Belmont, . .	9,583 11	6,186 91	8,227 20N	695 64	24,692 86
Boston, . .	1,676,038 11	672,821 42	<div> <div>89,150 10N</div> <div>215,221 80s</div> </div>	150,721 67	2,803,953 10
Braintree, . .	—	2,122 37	—	656 97	2,779 34
Brookline, . .	—	53,151 09	90,022 00s	12,029 88	155,202 97
Cambridge, . .	—	67,709 11	114,341 14N	17,601 38	199,651 63
Canton, . .	—	1,511 64	—	468 35	1,979 99
Chelsea, . .	50,869 84	15,481 73	29,704 27N	2,586 60	98,642 44
Cohasset, . .	—	197 12	—	—	197 12
Dedham, . .	—	6,968 84	10,700 14s	1,447 52	19,116 50
Dover, . .	—	1,882 16	—	581 99	2,464 15
Everett, . .	45,438 12	17,882 01	34,154 23N	2,773 92	100,248 28
Hingham, . .	—	2,274 51	—	704 43	2,978 94
Hull, . .	—	1,832 18	—	569 54	2,401 72
Hyde Park, . .	— ¹	9,212 67	—	1,527 48	10,740 15
Lexington, . .	8,242 15	—	4,819 43N	—	13,061 58
Lynn, . .	—	40,445 51	—	7,519 94	47,965 45
Malden, . .	46,596 27	26,939 34	46,117 09N	4,568 67	124,221 37
Medford, . .	27,914 48	21,601 11	26,035 94N	2,461 68	78,013 21
Melrose, . .	22,647 92	10,558 39	17,437 18N	1,731 04	52,374 53
Milton, . .	15,894 25	20,391 28	21,515 56s	3,048 66	60,849 75
Nahant, . .	5,755 70	6,673 15	—	820 56	13,249 41
Needham, . .	—	3,103 19	—	624 47	3,727 66
Newton, . .	6,221 66	38,278 40	59,153 23s	8,203 13	111,856 42
Quincy, . .	51,469 66	23,998 29	29,125 39s	3,104 90	107,698 24
Reading, . .	—	51 84	—	—	51 84
Revere, . .	27,021 39	14,363 51	18,890 77N	1,588 70	61,864 37
Saugus, . .	—	3,260 60	—	590 78	3,851 38
Somerville, . .	109,999 13	39,213 54	72,437 60N	6,638 16	228,288 43
Stoneham, . .	7,777 36	3,182 46	5,960 69N	524 59	17,445 10
Swampscott, . .	10,310 32	5,399 71	—	1,144 06	17,354 09
Wakefield, . .	—	5,225 59	11,118 54N	981 66	17,325 79
Waltham, . .	—	14,864 02	25,622 38s	2,898 84	43,385 24
Watertown, . .	18,688 47	7,838 93	14,490 71s	1,569 95	42,588 06
Wellesley, . .	—	7,044 98	—	1,556 19	8,601 17
Weston, . .	—	3,926 74	—	886 76	4,813 50
Westwood, . .	—	900 91	—	278 54	1,179 45
Weymouth, . .	—	2,723 59	—	844 28	3,567 87
Winchester, . .	—	9,996 65	13,793 19N	1,402 56	25,192 40
Winthrop, . .	15,404 73	6,188 94	13,841 23N	1,238 97	36,673 87
Woburn, . .	—	6,447 31	13,425 71N	1,182 73	21,055 75
	\$2,172,955 96	\$1,192,247 15 ²	\$999,917 42 ³	\$248,997 91	\$4,614,118 44

N, North System.

S, South System.

¹ Included in Boston.² Includes \$13,619.67 special assessments for Wellington Bridge and Alewife Brook.³ Includes \$4,995 special sewerage assessment on Everett and Malden.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1914.

Gross water debt, April 1, 1914:—

Bonds outstanding (sinking fund),	\$41,398,000 00	
Bonds outstanding (serial),	623,000 00	
	<hr/>	\$42,021,000 00

an increase for the year of \$248,000.

Sinking fund, April 1, 1914,	10,905,870 79	
	<hr/>	

an increase for the year of \$960,279.65.

Net water debt, April 1, 1914,	\$31,115,129 21	
--	-----------------	--

a decrease for the year of \$712,279.65.

Total Water Assessment for 1914.

Sinking fund requirements,		\$280,333 00
Serial bonds,	\$17,000 00	
Less premium,	13,431 75	
	<hr/>	3,568 25

Interest:—

One year on \$41,763,000,	\$1,406,210 00	
Six months on \$268,000,	5,335 00	
Interest from Sept. 10, 1913, to March 19, 1914, on \$150,000,	3,150 00	
Interest on advances and temporary loans esti- mated 1914,	30,000 00	
Adjustment of interest charges in 1913,	2,154 75	

	<hr/>	\$1,446,849 75
Less accrued interest,	2,043 70	
	<hr/>	1,444,806 05
Maintenance as appropriated by Legislature, . .	\$450,551 91	
Less balance on hand,	6,303 25	
	<hr/>	444,248 66

Total water assessment for 1914,	\$2,172,955 96	
--	----------------	--

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1914.
\$13,000,000	July, 1935	\$4,602,577 32	\$10,784,710 02	\$2,215,289 98	\$68,991 00
4,000,000	Jan., 1938	1,192,556 47	3,085,227 48	914,772 52	23,286 00
4,000,000	July, 1939	1,022,950 79	2,808,429 29	1,191,570 71	28,458 00
10,000,000	Jan., 1941	2,176,503 92	6,341,160 16	3,658,839 84	77,251 00
3,500,000	Jan., 1942	716,378 94	2,171,462 94	1,328,537 06	26,425 00
2,000,000	Jan., 1943	358,716 45	1,131,256 92	868,743 08	16,297 00
2,000,000	Jan., 1944	323,387 74	1,061,045 12	938,954 88	16,630 00
650,000	Jan., 1945	127,733 99	436,030 75	213,969 25	3,582 00
1,350,000	Jan., 1946	183,558 18	651,905 62	698,094 38	11,054 00
398,000	Jan., 1949	33,234 90	132,924 91	265,075 09	3,570 00
500,000	Jan., 1950	30,102 98	125,262 72	374,737 28	4,789 00
\$41,398,000	-	\$10,767,701 68 ¹	\$28,729,415 93	\$12,668,584 07	\$280,333 00

¹ This figure includes Stoneham's 1913 assessment, \$2,189.03, which was not paid till Dec. 10, 1913.

Computations for determining the Assessment for 1914. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation April 1, 1913.	Average Daily Con- sumption (Gallons), 1913.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington, . . .	\$15,069,561	786,300	.007,751,699	.007,571,665	.007,631,676
Belmont, . . .	8,363,320	463,600	.004,302,046	.004,464,230	.004,410,169
Boston, . . .	1,526,007,626	79,390,600	.784,969,929	.764,490,692	.771,317,104
Chelsea, . . .	28,712,030	2,879,800	.014,769,310	.027,730,995	.023,410,433
Everett, . . .	30,756,950	2,435,800	.015,821,206	.023,455,503	.020,910,737
Lexington, . . .	8,669,318	359,300	.004,459,449	.003,459,874	.003,793,066
Malden, . . .	41,731,530	2,225,700	.021,466,470	.021,432,348	.021,443,722
Medford, . . .	28,731,150	1,233,700	.014,779,146	.011,879,897	.012,846,313
Melrose, . . .	18,231,425	1,136,600	.009,378,145	.010,944,874	.010,422,631
Milton, . . .	30,217,994	332,300	.015,543,970	.003,199,878	.007,314,575
Nahant, . . .	9,116,897	169,100	.004,689,682	.001,628,346	.002,648,791
Newton, ¹ . . .	16,698,589	-	.008,589,662	-	.002,863,221
Quincy, . . .	37,087,335	2,699,100	.019,077,521	.025,990,946	.023,686,471
Revere, . . .	20,665,735	1,385,100	.010,630,341	.013,337,801	.012,435,314
Somerville, . . .	72,163,864	5,958,000	.037,120,695	.057,372,479	.050,621,885
Stoneham, . . .	5,358,880	414,400	.002,756,578	.003,990,459	.003,579,165
Swampscott, . . .	13,285,759	420,100	.006,834,121	.004,045,347	.004,974,939
Watertown, . . .	17,642,165	868,500	.009,075,033	.008,363,209	.008,600,484
Winthrop, . . .	15,523,100	689,700	.007,984,997	.006,641,457	.007,089,304
	\$1,944,033,228	103,847,700	1,000,000,000	1,000,000,000	1,000,000,000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1914.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington,	\$11,026 29	\$2,139 41	\$3,390 36	\$27 23	\$16,583 29
Belmont,	6,371 84	1,236 32	1,959 21	15 74	9,583 11
Boston,	1,114,403 62	216,225 64	342,656 60	2,752 25	1,676,038 11
Chelsea,	33,823 54	6,562 72	10,400 05	83 53	50,869 84
Everett,	30,211 96	5,861 97	9,289 57	74 62	45,438 12
Lexington,	5,480 24	1,063 32	1,685 06	13 53	8,242 15
Malden,	30,982 02	6,011 38	9,526 35	76 52	46,596 27
Medford,	18,560 43	3,601 25	5,706 96	45 84	27,914 48
Melrose,	15,058 68	2,921 81	4,630 24	37 19	22,647 92
Milton,	10,568 14	2,050 52	3,249 49	26 10	15,894 25
Nahant,	3,826 99	742 54	1,176 72	9 45	5,755 70
Newton,	4,136 80	802 66	1,271 98	10 22	6,221 66
Quincy,	34,222 36	6,640 10	10,522 68	84 52	51,469 66
Revere,	17,966 62	3,486 03	5,524 37	44 37	27,021 39
Somerville,	73,138 81	14,190 98	22,488 71	180 63	109,999 13
Stoncham,	5,171 20	1,003 35	1,590 04	12 77	7,777 36
Swampscott,	7,187 82	1,394 64	2,210 11	17 75	10,810 32
Watertown,	12,426 03	2,411 00	3,820 75	30 69	18,688 47
Winthrop,	10,242 66	1,987 36	3,149 41	25 30	15,404 73
	\$1,444,806 05	\$280,333 00	\$444,248 66	\$3,568 25	\$2,172,955 96

*Comparison of Total Assessments, 1913 and 1914, with Revenue from
Water Rates in 1913.*

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1913.
	1913.	1914.	
Arlington,	\$20,491 56	\$16,583 29	\$49,103 40
Belmont,	9,042 70	9,583 11	27,638 88 ¹
Boston,	1,842,127 65	1,676,038 11	3,014,600 36 ²
Chelsea,	51,547 66	50,869 84	126,635 46
Everett,	49,124 16	45,438 12	113,653 24 ¹
Lexington,	8,267 34	8,242 15	26,503 98
Malden,	47,126 88	46,596 27	108,743 77 ²
Medford,	27,916 12	27,914 48	69,464 00 ³
Melrose,	22,684 86	22,647 92	44,760 27 ²
Milton,	16,402 68	15,894 25	52,060 88
Nahant,	6,181 89	5,755 70	12,255 49 ³
Newton,	6,680 74 ⁴	6,221 66 ⁴	—
Quincy,	55,519 02	51,469 66	122,036 44 ²
Revere,	28,587 67	27,021 39	76,520 09 ¹
Somerville,	116,320 88	109,999 13	242,067 05 ²
Stoneham,	10,213 41	7,777 36	25,232 59 ²
Swampscott,	11,254 35	10,810 32	40,596 51 ⁵
Watertown,	19,245 16	18,688 47	60,602 11 ³
Winthrop,	15,909 87	15,404 73	54,002 74
	\$2,364,644 60	\$2,172,955 96	\$4,266,477 26

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering and other municipal purposes.

³ No money received for hydrant rentals.

⁴ Not taking water from the district.

⁵ No money received for water used for street watering. ‡

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	1913.	1914.	Decrease.
Boston,	\$676,068 20	\$554,651 18	\$121,417 02
Somerville,	38,000 00	32,000 00	6,000 00
Chelsea,	149,687 00	134,230 00	15,457 00
Everett,	65,845 78	59,213 71	6,632 07
Malden,	53,583 01	42,313 02	11,269 99
Medford, ¹	—8,159 33	—8,025 93	133 40 ²
Melrose,	87,217 01	82,363 91	4,853 10
	\$1,062,241 67	\$896,745 89	\$165,495 78

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1914: —

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	145,000 00	
	<hr/>	\$9,630,000 00

an increase for the year of \$9,750.

Sinking fund, April 1, 1914,	2,755,485 21	
	<hr/>	

an increase for the year of \$227,643.77.

Net parks debt, April 1, 1914,	\$6,874,514 79	
--	----------------	--

a decrease for the year of \$217,893.77.

BOULEVARDS.

Gross parks, series two (boulevards) debt (one-half), April 1, 1914: —

Bonds outstanding (sinking fund),	\$2,567,500 00	
Bonds outstanding (serial),	197,500 00	
	<hr/>	\$2,765,000 00

an increase for the year of \$97,500.

Sinking fund, April 1, 1914.	689,665 51	
	<hr/>	

an increase for the year of \$67,204.62.

Net parks, series two (boulevards) debt, April 1, 1914,	\$2,075,334 49	
---	----------------	--

an increase for the year of \$30,295.38.

METROPOLITAN PARKS LOAN.

The total parks assessment for 1914 is made up as follows: —

Parks sinking fund,	\$56,757 00	
Parks, series two, sinking fund,	29,010 00	
Nantasket sinking fund,	3,712 00	
Parks, serial bonds,	\$8,750 00	
Less premium,	542 22	
	<hr/>	\$8,207 78

Premium on parks, series two, serial bonds,	\$5,473 00	
---	------------	--

Parks, series two, serial bonds,	5,000 00	
	<hr/>	

To be applied to serial bonds due Jan. 1, 1916,	\$473 00	
---	----------	--

Parks interest: —

One year on \$8,912,500,	\$306,037 50	
----------------------------------	--------------	--

Six months on \$25,250,	498 13	
	<hr/>	

Amounts carried forward,	\$306,535 63	
		\$97,686 78

<i>Amounts brought forward,</i>	\$306,535 63		\$97,686 78
Interest on advances and temporary loans estimated, 1914, .	10,000 00		
Adjustment of interest charges in 1913,	1,895 58		
		\$318,431 21	
Less accrued interest,		147 53	
			318,283 68
Parks, series two, interest:—			
One year on \$2,665,000,	\$91,637 50		
Six months on \$102,500,	2,050 00		
Interest on advances and temporary loans estimated, 1914, .	2,000 00		
		\$95,687 50	
Less adjustment of interest charges in 1913,	\$1,258 96		
Less accrued interest,	784 94		
		2,043 90	
			93,643 60
Nantasket interest:—			
One year on \$700,000,			21,000 00
Parks maintenance,	\$523,378 76		
Less balance on hand,	14,189 48		
			509,189 28
Boulevard maintenance, one-half,	\$110,464 53		
Less balance on hand, one-half,	4,276 96		
			106,187 57
Nantasket maintenance,	\$32,864 14		
Less balance on hand,	2,819 80		
			30,044 34
Wellington Bridge maintenance, one-half,	\$3,073 50		
Less balance on hand, one-half,	481 27		
			2,592 23
Total parks assessment for 1914,			\$1,178,627 48

METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington, . . .	\$645 87	\$2,893 08	\$4,163 58	\$46 29	\$7,748 82
Belmont, . . .	360 28	1,610 82	2,315 54	25 61	4,312 25
Boston, . . .	49,617 61	245,949 60	372,374 44	4,879 77	672,821 42
Braintree, . . .	165 41	784 48	1,158 77	13 71	2,122 37
Brookline, . . .	3,935 75	19,446 52	29,386 91	381 91	53,151 09
Cambridge, . . .	4,747 58	22,961 77	34,379 56	437 31	62,526 22
Canton, . . .	117 78	558 72	825 37	9 77	1,511 64
Chelsea, . . .	1,196 48	5,701 59	8,477 86	105 80	15,481 73
Cohasset, . . .	13 36	75 60	108 16	-	197 12
Dedham, . . .	509 93	2,543 80	3,863 89	51 22	6,968 84
Dover, . . .	146 76	695 75	1,027 50	12 15	1,882 16
Everett, . . .	1,453 41	6,644 79	9,671 53	112 28	17,882 01
Hingham, . . .	177 28	840 72	1,241 82	14 69	2,274 51
Hull, . . .	142 86	677 29	1,000 21	11 82	1,832 18
Hyde Park, . . .	738 28	3,414 99	5,000 22	59 18	9,212 67
Lynn, . . .	2,931 95	14,735 49	22,475 12	302 95	40,445 51
Malden, . . .	2,050 24	9,675 55	14,312 48	175 24	26,213 51
Medford, . . .	1,932 39	7,873 84	10,716 10	93 73	20,616 06
Melrose, . . .	862 96	3,927 99	5,702 02	65 42	10,558 39
Milton, . . .	1,869 86	7,756 33	10,667 58	97 51	20,391 28
Nahant, . . .	716 86	2,626 08	3,313 14	17 07	6,673 15
Needham, . . .	226 12	1,131 83	1,722 26	22 98	3,103 19
Newton, . . .	2,812 90	13,984 23	21,202 21	279 06	38,278 40
Quincy, . . .	2,161 87	9,092 88	12,622 23	121 31	23,998 29
Revere, . . .	1,360 88	5,497 43	7,441 75	63 45	14,363 51
Saugus, . . .	234 62	1,186 37	1,814 90	24 71	3,260 60
Somerville, . . .	2,793 02	13,645 76	20,537 40	266 01	37,242 19
Stoneham, . . .	221 86	1,096 84	1,660 39	21 91	3,001 00
Swampscott, . . .	396 20	1,972 09	2,991 94	39 48	5,399 71
Wakefield, . . .	377 46	1,902 75	2,906 06	39 32	5,225 59
Waltham, . . .	1,078 75	5,417 21	8,257 17	110 89	14,864 02
Watertown, . . .	570 88	2,858 82	4,351 12	58 11	7,838 93
Wellesley, . . .	519 79	2,575 75	3,898 47	50 97	7,044 98
Weston, . . .	290 64	1,436 58	2,171 29	28 23	3,926 74
Westwood, . . .	70 17	332 95	491 96	5 83	900 91
Weymouth, . . .	212 42	1,006 85	1,486 76	17 56	2,723 59
Winchester, . . .	903 41	3,790 74	5,252 60	49 90	9,996 65
Winthrop, . . .	450 69	2,257 06	3,435 31	45 88	6,188 94
Woburn, . . .	464 42	2,346 34	3,587 80	48 75	6,447 31
	\$89,479 00	\$432,927 28	\$648,013 42	\$8,207 78	\$1,178,627 48 ¹

¹ Exclusive of \$13,619.67, special assessments for Wellington Bridge and Alewife Brook, which are included on page 5.

METROPOLITAN PARKS.

Proportions to be paid annually as found by Commissioners.

CITIES AND TOWNS.	Parks, 1910-1915.	Boulevards, 1910-1915.	Nantasket, 1910-1915.
Boston, . . . . .	.59453	.46943	.60768
Cambridge, . . . . .	.05328	.05317	.04879
Chelsea, . . . . .	.01289	.01463	.01090
Everett, . . . . .	.01368	.02184	.01169
Lynn, . . . . .	.03691	.02480	.03168
Malden, . . . . .	.02135	.02644	.01925
Medford, . . . . .	.01142	.04294	.01038
Melrose, . . . . .	.00797	.01322	.00730
Newton, . . . . .	.03400	.02602	.03457
Quincy, . . . . .	.01478	.04393	.01309
Somerville, . . . . .	.03241	.02929	.02797
Waltham, . . . . .	.01351	.00919	.01222
Woburn, . . . . .	.00594	.00375	.00498
Arlington, . . . . .	.00564	.01057	.00515
Belmont, . . . . .	.00312	.00594	.00293
Braintree, . . . . .	.00167	.00208	.00277
Brookline, . . . . .	.04653	.03815	.05068
Canton, . . . . .	.00119	.00148	.00197
Cohasset,	—	—	.00360
Dedham, . . . . .	.00624	.00459	.00609
Dover, . . . . .	.00148	.00185	.00245
Hingham, . . . . .	.00179	.00223	.00296
Hull, . . . . .	.00144	.00180	.00240
Hyde Park, . . . . .	.00721	.01052	.00643
Milton, . . . . .	.01188	.03957	.01284
Nahant, . . . . .	.00208	.02020	.00345
Needham, . . . . .	.00280	.00198	.00263
Revere, . . . . .	.00773	.03093	.00670
Saugus, . . . . .	.00301	.00188	.00249
Stoneham, . . . . .	.00267	.00214	.00222
Swampscott, . . . . .	.00481	.00363	.00482
Wakefield, . . . . .	.00479	.00311	.00414
Watertown, . . . . .	.00708	.00498	.00662
Wellesley, . . . . .	.00621	.00493	.00655
Weston, . . . . .	.00344	.00281	.00374
Westwood, . . . . .	.00071	.00088	.00117
Weymouth, . . . . .	.00214	.00268	.00356
Winchester, . . . . .	.00608	.01849	.00591
Winthrop, . . . . .	.00559	.00393	.00523
	1.00000	1.00000	1.00000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1914.
\$125,000	Jan., 1928	\$28,197 11	\$49,091 86	\$75,908 14	\$4,138 00
1,300,000	Jan., 1934	466,052 64	1,029,062 70	270,937 30	9,061 00
2,000,000	Jan., 1936	657,134 25	1,570,555 76	429,414 24	12,480 00
1,400,000	Jan., 1937	440,772 21	1,096,029 14	303,970 86	8,261 00
1,000,000	July, 1938	299,793 16	791,097 71	208,902 29	5,318 00
505,000	July, 1939	143,751 74	394,653 86	110,341 14	2,635 00
650,000	Jan., 1941	213,098 24	620,853 50	29,146 50	615 00
125,000	Jan., 1943	24,286 62	76,590 88	48,409 12	908 00
340,000	July, 1943	70,282 48	226,077 43	113,922 57	2,137 00
300,000	Jan., 1944	50,334 27	165,148 29	134,851 71	2,388 00
370,000	Jan., 1945	52,513 52	179,259 33	190,740 67	3,193 00
300,000	Jan., 1946	42,394 71	150,564 52	149,435 48	2,366 00
300,000	Jan., 1947	33,570 57	124,042 37	175,957 63	2,638 00
70,000	Jan., 1949	6,012 33	24,046 66	45,953 34	619 00
\$3,785,000	-	\$2,528,193 85 ¹	\$6,497,109 01	\$2,287,890 99	\$56,757 00

Nantasket.

\$600,000	July, 1939	\$172,561 59	\$473,754 00	\$126,246 00	\$3,015 00
100,000	Jan., 1941	22,990 01	66,980 51	33,019 49	697 00
\$700,000	-	\$195,551 60 ¹	\$540,734 51	\$159,265 49	\$3,712 00

¹ This total, \$2,723,745.45, includes Stoneham's 1913 assessment, \$301.95, which was not paid till Dec. 10, 1913.

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1914.
\$250,000	Jan., 1934	\$96,186 35	\$174,483 81	\$75,516 19	\$2,804 00
300,000	Jan., 1936	105,790 44	203,681 82	96,318 18	3,146 00
500,000	Jan., 1937	168,935 82	335,088 62	164,911 38	5,068 00
50,000	July, 1938	16,068 01	32,834 63	17,165 37	497 00
250,000	July, 1939	77,061 89	162,233 96	87,766 04	2,400 00
225,000	Jan., 1940	52,064 65	112,921 63	112,078 37	2,898 00
162,500	July, 1940	44,650 57	96,841 43	65,658 57	1,698 00
55,000	Jan., 1943	11,194 56	26,548 35	28,451 65	627 00
150,000	July, 1943	26,837 56	63,646 35	86,353 65	1,903 00
150,000	Jan., 1944	26,032 55	63,603 24	86,396 76	1,809 00
150,000	Jan., 1945	21,637 09	54,461 98	95,538 02	1,903 00
150,000	Jan., 1946	16,630 53	43,125 37	106,874 63	2,028 00
150,000	Jan., 1947	16,803 21	44,890 15	105,109 85	1,901 00
25,000	Jan., 1949	1,795 90	5,092 20	19,907 80	328 00
\$2,567,500	-	\$681,689 13	\$1,419,453 54	\$1,148,046 46	\$29,010 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$320 00	\$306 64	\$19 12	\$645 87
Belmont, . . .	177 08	172 32	10 88	360 28
Boston, . . .	33,743 74	13,618 16	2,255 71	49,617 61
Braintree, . . .	94 79	60 34	10 28	165 41
Brookline, . . .	2,640 90	1,106 73	188 12	3,935 75
Cambridge, . . .	3,024 01	1,542 46	181 11	4,747 58
Canton, . . .	67 54	42 93	7 31	117 78
Chelsea, . . .	731 60	424 42	40 46	1,196 48
Cohasset, . . .	—	—	13 36	13 36
Dedham, . . .	354 16	133 16	22 61	509 93
Dover, . . .	84 00	53 67	9 09	146 76
Everett, . . .	776 44	633 58	43 39	1,453 41
Hingham, . . .	101 60	64 69	10 99	177 28
Hull, . . .	81 73	52 22	8 91	142 86
Hyde Park, . . .	409 22	305 19	23 87	738 28
Lynn, . . .	2,094 90	719 45	117 60	2,931 95
Malden, . . .	1,211 76	767 02	71 46	2,050 24
Medford, . . .	648 17	1,245 69	38 53	1,932 39
Melrose, . . .	452 35	383 51	27 10	862 96
Milton, . . .	674 27	1,147 93	47 66	1,869 86
Nahant, . . .	118 05	586 00	12 81	716 86
Needham, . . .	158 92	57 44	9 76	226 12
Newton, . . .	1,929 74	754 84	128 32	2,812 90
Quincy, . . .	838 87	1,274 41	48 59	2,161 87
Revere, . . .	438 73	897 28	24 87	1,360 88
Saugus, . . .	170 84	54 54	9 24	234 62
Somerville, . . .	1,839 49	849 70	103 83	2,793 02
Stoneham, . . .	151 54	62 08	8 24	221 86
Swampscott, . . .	273 00	105 31	17 89	396 20
Wakefield, . . .	271 87	90 22	15 37	377 46
Waltham, . . .	766 79	266 60	45 36	1,078 75
Watertown, . . .	401 84	144 47	24 57	570 88
Wellesley, . . .	352 46	143 02	24 31	519 79
Weston, . . .	195 24	81 52	13 88	290 64
Westwood, . . .	40 30	25 53	4 34	70 17
Weymouth, . . .	121 46	77 74	13 22	212 42
Winchester, . . .	345 08	536 39	21 94	903 41
Winthrop, . . .	317 27	114 01	19 41	450 69
Woburn, . . .	337 14	108 79	18 49	464 42
	\$56,757 00	\$29,010 00	\$3,712 00	\$89,479 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$1,795 12	\$989 81	\$108 15	\$2,893 08
Belmont, . . .	993 05.	556 24	61 53	1,610 82
Boston, . . .	189,229 20	43,959 12	12,761 28	245,949 60
Braintree, . . .	531 53	194 78	58 17	784 48
Brookline, . . .	14,809 74	3,572 50	1,064 28	19,446 52
Cambridge, . . .	16,958 15	4,979 03	1,024 59	22,961 77
Canton, . . .	378 76	138 59	41 37	558 72
Chelsea, . . .	4,102 68	1,370 01	228 90	5,701 59
Cohasset, . . .	—	—	75 60	75 60
Dedham, . . .	1,986 09	429 82	127 89	2,543 80
Dover, . . .	471 06	173 24	51 45	695 75
Everett, . . .	4,354 12	2,045 18	245 49	6,644 79
Hingham, . . .	569 73	208 83	62 16	840 72
Hull, . . .	458 33	168 56	50 40	677 29
Hyde Park, . . .	2,294 83	985 13	135 03	3,414 99
Lynn, . . .	11,747 85	2,322 36	665 28	14,735 49
Malden, . . .	6,795 36	2,475 94	404 25	9,675 55
Medford, . . .	3,634 80	4,021 06	217 98	7,873 84
Melrose, . . .	2,536 72	1,237 97	153 30	3,927 99
Milton, . . .	3,781 21	3,705 48	269 64	7,756 33
Nahant, . . .	662 03	1,891 60	72 45	2,626 08
Needham, . . .	891 19	185 41	55 23	1,131 83
Newton, . . .	10,821 65	2,436 61	725 97	13,984 23
Quincy, . . .	4,704 23	4,113 76	274 89	9,092 88
Revere, . . .	2,460 33	2,896 40	140 70	5,497 43
Saugus, . . .	958 03	176 05	52 29	1,186 37
Somerville, . . .	10,315 57	2,742 82	587 37	13,645 76
Stoneham, . . .	849 82	200 40	46 62	1,096 84
Swampscott, . . .	1,530 94	339 93	101 22	1,972 09
Wakefield, . . .	1,524 58	291 23	86 94	1,902 75
Waltham, . . .	4,300 01	860 58	256 62	5,417 21
Watertown, . . .	2,253 45	466 35	139 02	2,858 82
Wellesley, . . .	1,976 54	461 66	137 55	2,575 75
Weston, . . .	1,094 90	263 14	78 54	1,436 58
Westwood, . . .	225 98	82 40	24 57	332 95
Weymouth, . . .	681 13	250 96	74 76	1,006 85
Winchester, . . .	1,935 16	1,731 47	124 11	3,790 74
Winthrop, . . .	1,779 21	368 02	109 83	2,257 06
Woburn, . . .	1,890 60	351 16	104 58	2,346 34
	\$318,283 68	\$93,643 60	\$21,000 00	\$432,927 28

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$2,886 45	\$1,122 40	\$154 73	\$4,163 58
Belmont, . . .	1,596 76	630 75	88 03	2,315 54
Boston, . . .	304,269 46	49,847 63	18,257 35	372,374 44
Braintree, . . .	854 68	220 87	83 22	1,158 77
Brookline, . . .	23,813 20	4,051 06	1,522 65	29,386 91
Cambridge, . . .	27,267 71	5,645 99	1,465 86	34,379 56
Canton, . . .	609 02	157 16	59 19	825 37
Chelsea, . . .	6,596 86	1,553 52	327 48	8,477 86
Cohasset, . . .	—	—	108 16	108 16
Dedham, . . .	3,193 52	487 40	182 97	3,863 89
Dover, . . .	757 44	196 45	73 61	1,027 50
Everett, . . .	7,001 17	2,319 14	351 22	9,671 53
Hingham, . . .	916 09	236 80	88 93	1,241 82
Hull, . . .	736 96	191 14	72 11	1,000 21
Hyde Park, . . .	3,689 94	1,117 09	193 19	5,000 22
Lynn, . . .	18,889 86	2,633 45	951 81	22,475 12
Malden, . . .	10,926 53	2,807 60	578 35	14,312 48
Medford, . . .	5,844 54	4,559 70	311 86	10,716 10
Melrose, . . .	4,078 90	1,403 80	219 32	5,702 02
Milton, . . .	6,079 97	4,201 84	385 77	10,667 58
Nahant, . . .	1,064 50	2,144 99	103 65	3,313 14
Needham, . . .	1,432 99	210 25	79 02	1,722 26
Newton, . . .	17,400 58	2,763 00	1,038 63	21,202 21
Quincy, . . .	7,564 13	4,664 82	393 28	12,622 23
Revere, . . .	3,956 07	3,284 38	201 30	7,441 75
Saugus, . . .	1,540 46	199 63	74 81	1,814 90
Somerville, . . .	16,586 83	3,110 23	840 34	20,537 40
Stoneham, . . .	1,366 45	227 24	66 70	1,660 39
Swampscott, . . .	2,461 67	385 46	144 81	2,991 94
Wakefield, . . .	2,451 44	330 24	124 38	2,906 06
Waltham, . . .	6,914 17	975 86	367 14	8,257 17
Watertown, . . .	3,623 41	528 82	198 89	4,351 12
Wellesley, . . .	3,178 17	523 51	196 79	3,898 47
Weston, . . .	1,760 53	298 39	112 37	2,171 29
Westwood, . . .	363 36	93 45	35 15	491 96
Weymouth, . . .	1,095 22	284 58	106 96	1,486 76
Winchester, . . .	3,111 63	1,963 41	177 56	5,252 60
Winthrop, . . .	2,860 86	417 32	157 13	3,435 31
Woburn, . . .	3,039 98	398 20	149 62	3,587 80
	\$511,781 51	\$106,187 57	\$30,044 34	\$648,013 42

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$46 29	—	\$46 29
Belmont,	25 61	—	25 61
Boston,	4,879 77	—	4,879 77
Braintree,	13 71	—	13 71
Brookline,	381 91	—	381 91
Cambridge,	437 31	—	437 31
Canton,	9 77	—	9 77
Chelsea,	105 80	—	105 80
Dedham,	51 22	—	51 22
Dover,	12 15	—	12 15
Everett,	112 28	—	112 28
Hingham,	14 69	—	14 69
Hull,	11 82	—	11 82
Hyde Park,	59 18	—	59 18
Lynn,	302 95	—	302 95
Malden,	175 24	—	175 24
Medford,	93 73	—	93 73
Melrose,	65 42	—	65 42
Milton,	97 51	—	97 51
Nahant,	17 07	—	17 07
Needham,	22 98	—	22 98
Newton,	279 06	—	279 06
Quincy,	121 31	—	121 31
Revere,	63 45	—	63 45
Saugus,	24 71	—	24 71
Somerville,	266 01	—	266 01
Stonham,	21 91	—	21 91
Swampscott,	39 48	—	39 48
Wakefield,	39 32	—	39 32
Waltham,	110 89	—	110 89
Watertown,	58 11	—	58 11
Wellesley,	50 97	—	50 97
Weston,	28 23	—	28 23
Westwood,	5 83	—	5 83
Weymouth,	17 56	—	17 56
Winchester,	49 90	—	49 90
Winthrop,	45 88	—	45 88
Woburn,	48 75	—	48 75
	\$8,207 78	—	\$8,207 78

Wellington Bridge, Special Assessment.

CITIES AND TOWNS.	Maintenance.	Per Cent.
Malden,	\$725 83	14
Medford,	985 05	19
Reading,	51 84	1
Somerville,	648 06	12½
Stoneham,	181 46	3½
	\$2,592 24	50

Alewife Brook (Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907; and Chapter 458 of the Acts of 1911).¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.
Arlington,	\$1,636 79	\$1,009 80	\$2,646 59
Belmont,	1,159 39	715 27	1,874 66
Cambridge,	3,205 38	1,977 51	5,182 89
Somerville,	818 39	504 90	1,323 29
	\$6,819 95	\$4,207 48	\$11,027 43

¹ This table includes the fourth assessment and interest under chapter 529 of the Acts of 1906 and 1907 and the first assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1914:—

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	424,000 00	
	<hr/>	\$6,987,000 00

a decrease for the year of \$13,000.

Sinking fund, April 1, 1914, 1,777,209 09

an increase for the year of \$183,597.87.

Net sewerage, north system, debt, April 1, 1914,	<hr/>	\$5,209,790 91
--	-------	----------------

a decrease for the year of \$196,597.87.

Assessments, North System.

Sinking fund requirements,	\$95,094 00
Serial bonds,	10,000 00

Interest:—

One year on \$6,931,000,	\$217,175 00
Four months on \$10,000,	133 33
Interest on advances and temporary loans esti- mated, 1914,	3,000 00

\$220,308 33

Adjustment of interest charges in 1913, 6,006 11

214,302 22

Maintenance, \$209,875 00

Less balance on hand, 200 01

209,674 99

Total north metropolitan sewerage assessment,	<hr/>	\$529,071 21
---	-------	--------------

EVERETT AND MALDEN, SPECIAL ASSESSMENT (CHAPTER 512, ACTS OF 1911).

Bonds issued,	\$62,000 00	
Previously assessed,	6,000 00	
Outstanding,	\$56,000 00	
Serial bond due Jan. 1, 1915,		\$3,000 00
Interest:—		
One year on \$53,000,	\$1,855 00	
One year and four months on \$3,000,	140 00	
		1,995 00
		<u>\$4,995 00</u>

Everett and Malden, one-half each.

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1914:—

Bonds outstanding (sinking fund), \$8,877,912 00

showing no change for the past year.

Sinking fund, April 1, 1914, 1,004,195 67

an increase for the year of \$110,663.38.

Net sewerage, south system, debt, April 1, 1914, \$7,873,716 33

a decrease for the year of \$110,663.38.

Assessments, South System.

Sinking fund requirements,	\$56,506 00	
One year's interest on \$8,877,912,	\$298,777 36	
Interest on advances and temporary loans estimated, 1914,	4,000 00	
Adjustment of interest charges in 1913,	609 50	
		<u>303,386 86</u>
Maintenance,	\$114,070 00	
Less balance on hand,	8,111 65	
		<u>105,958 35</u>
Total south metropolitan sewerage assessment,		<u>\$465,851 21</u>

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington, . . .	\$3,014 48	\$317 00	\$6,793 38	\$4,487 04	\$14,611 90
Belmont, . . .	1,787 77	188 00	4,028 88	2,222 55	8,227 20
Boston, . . .	14,625 46	1,538 00	32,959 68	40,026 96	89,150 10
Cambridge, . .	21,538 79	2,265 00	48,539 45	41,997 90	114,341 14
Chelsea, . . .	4,973 42	523 00	11,208 00	12,999 85	29,704 27
Everett, . . .	5,429 87	571 00	12,236 66	13,419 20	31,656 73
Lexington, . .	960 45	101 00	2,164 45	1,593 53	4,819 43
Malden, . . .	7,693 10	809 00	17,337 05	17,780 44	43,619 59
Medford, . . .	4,992 43	525 00	11,250 87	9,267 64	26,035 94
Melrose, . . .	3,318 78	349 00	7,479 15	6,290 25	17,437 18
Revere, . . .	3,451 91	363 00	7,779 17	7,296 69	18,890 77
Somerville, . .	12,352 71	1,299 00	27,837 86	30,948 03	72,437 60
Stoneham, . . .	931 92	98 00	2,100 16	2,830 61	5,960 69
Wakefield, . .	1,949 43	205 00	4,393 20	4,570 91	11,118 54
Winchester, . .	2,995 46	315 00	6,750 52	3,732 21	13,793 19
Winthrop, . . .	2,909 88	306 00	6,557 65	4,067 70	13,841 23
Woburn, . . .	2,168 14	228 00	4,886 09	6,143 48	13,425 71
	\$95,094 00	\$10,000 00	\$214,302 22	\$209,674 99	\$529,071 21

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumulations at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1914.
\$5,330,000 (2,265,250)	Jan., 1930 Sunk.	\$1,596,152 89	\$3,008,014 88	\$4,587,235 12	\$152,907 84	\$84,416 00
465,000 (180,125)	Jan., 1930 Sunk.	122,458 46	230,777 95	414,347 05	13,811 57	7,625 00
250,000 (35,417)	July, 1943 Sunk.	16,024 69	51,546 57	233,870 43	3,897 84	1,261 00
50,000 (7,083)	Jan., 1943 Sunk.	3,236 45	10,206 55	46,876 45	781 27	258 00
55,000 (7,792)	July, 1943 Sunk.	5,343 08	17,187 07	45,604 93	760 08	246 00
300,000 (18,750)	Jan., 1949 Sunk.	10,786 18	43,139 95	275,610 05	3,445 13	896 00
113,000 (6,277)	Jan., 1949 Sunk.	2,707 72	10,829 68	108,447 32	1,506 21	392 00
\$6,563,000 (2,520,694)	- Sunk.	\$1,756,709 47 ¹	\$3,371,702 65	\$5,711,991 35	\$177,109 94	\$95,094 00

¹ This figure includes Stoneham's 1913 assessment, \$1,155.57, which was not paid till Dec. 10, 1913.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1914.
\$5,330,000	1930	$\frac{1}{2} + \frac{1}{8} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{8}$	$\frac{1}{30}$
265,000	1930	$\frac{70}{240} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{8}$	$\frac{1}{30}$
200,000	1930	$\frac{49}{240} + \frac{4}{30}$	$\frac{6}{30} + \frac{111}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
300,000	1949	$\frac{5}{80}$	$\frac{5}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{80}$
113,000	1949	$\frac{4}{72}$	$\frac{5}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{72}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1913 and the Census Returns of 1910. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, Acts 1913, Chapter 607.	Proportion for Interest and Sinking Funds (Per Cent.).	Population United States Census 1910.	Proportion for Maintenance and Operation (Per Cent.).
Arlington, . . .	\$18,168,452	3.17	11,187	2.14
Belmont, . . .	10,789,904	1.88	5,542	1.06
Boston: —				
Charlestown, }	88,218,700	15.38	99,932	19.09
East Boston, }				
Cambridge, . . .	129,881,058	22.65	104,839	20.03
Chelsea, . . .	30,004,278	5.23	32,452	6.20
Everett, . . .	32,751,652	5.71	33,484	6.40
Lexington, . . .	5,788,900 ¹	1.01	4,000 ²	0.76
Malden, . . .	46,389,388	8.09	44,404	8.48
Medford, . . .	30,102,933	5.25	23,150	4.42
Melrose, . . .	20,046,268	3.49	15,715	3.00
Revere, . . .	20,838,470	3.63	18,219	3.48
Somerville, . . .	74,496,160	12.99	77,236	14.76
Stoneham, . . .	5,599,552	0.98	7,090	1.35
Wakefield, . . .	11,759,792	2.05	11,404	2.18
Winchester, . . .	18,041,359	3.15	9,309	1.78
Winthrop, . . .	17,553,306	3.06	10,132	1.94
Woburn, . . .	13,052,791	2.28	15,308	2.93
	\$573,482,963	100.00	523,403	100.00

¹ 56.57 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Interest.	Maintenance.	Total Assessment.
Boston, . . .	\$24,693 12	\$132,580 06	\$57,948 62	\$215,221 80
Brookline, . . .	12,809 91	68,777 80	8,434 29	90,022 00
Dedham, . . .	1,237 48	6,644 17	2,818 49	10,700 14
Milton, . . .	3,000 47	16,109 84	2,405 25	21,515 56
Newton, . . .	7,390 98	39,683 00	12,079 25	59,153 23
Quincy, . . .	3,017 42	16,200 86	9,907 11	29,125 39
Waltham, . . .	2,695 34	14,471 56	8,455 48	25,622 38
Watertown, . . .	1,661 28	8,919 57	3,909 86	14,490 71
	\$56,506 00	\$303,386 86	\$105,958 35	\$465,851 21

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Ma- turity of Loan, Accu- mulations at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1914.
\$800,000 (340,000)	Jan., 1930 Sunk.	\$237,336 84	\$447,270 90	\$692,729 10	\$23,090 97	\$12,748 00
839,000 (230,725)	Mar., 1935 Sunk.	139,183 86	319,739 35	749,985 65	12,499 76	5,661 00
65,000 (16,791)	Mar., 1936 Sunk.	9,733 10	23,262 63	58,528 37	975 47	425 00
1,024,912 (213,523)	July, 1939 Sunk.	111,334 43	305,659 74	932,775 26	15,546 25	5,891 00
3,586,000 (687,317)	July, 1940 Sunk.	341,714 57	976,051 19	3,297,265 81	54,954 43	20,017 00
996,000 (141,100)	Jan., 1943 Sunk.	64,285 73	202,733 04	934,366 96	15,572 78	5,138 00
392,000 (49,000)	July, 1944 Sunk.	20,798 83	69,606 43	371,393 57	6,189 89	1,924 00
175,000 (17,011)	Jan., 1946 Sunk.	13,366 74	47,471 89	144,542 11	2,007 53	588 00
1,000,000 (93,750)	Jan., 1946 Sunk.	54,874 33	194,885 81	898,864 19	14,044 75	4,114 00
8,877,912 (1,789,220)	- Sunk.	\$992,628 43	\$2,586,680 98	\$8,080,451 02	\$144,881 83	\$56,506 00

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1914.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{4}{30}$	$\frac{6}{30} + \frac{2}{3}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{9}{60}$	$\frac{1}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
65,000	1936	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
1,024,912	1939	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
3,586,000	1940	$\frac{1}{8} + \frac{4}{60}$	$\frac{6}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
996,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8}$	$\frac{10}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
175,000	1946	$\frac{7}{2}$	$\frac{7}{2} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$	$\frac{7}{2}$
1,000,000	1946	$\frac{6}{64}$	$\frac{2}{64} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{64}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1913 and the Census Returns of 1910. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, Acts 1913, Chapter 607.	Proportion for Interest and Sinking Funds (Per Cent.).	Population United States Census 1910.	Proportion for Maintenance and Operation (Per Cent.).
Waltham,	\$33,292,633	4.77	27,834	7.98
Watertown,	20,541,610	2.94	12,875	3.69
Newton,	91,317,225	13.08	39,806	11.40
Boston,	305,170,800	43.70	190,933	54.69
Brighton District, . .	\$45,923,000	—	26,575	—
Back Bay District, . .	75,335,100	—	18,048	—
Roxbury District, . .	52,353,600	—	45,957	—
West Roxbury District, .	47,404,500	—	28,608	—
Dorchester District, .	65,858,000	—	56,243	—
Hyde Park District, .	18,241,600	—	15,507	—
Brookline,	158,297,618	22.67	27,792	7.96
Dedham,	15,325,221 ¹	2.19	9,284	2.66
Milton,	37,069,363	5.31	7,924	2.27
Quincy,	37,250,883	5.34	32,642	9.35
	\$698,265,353	100.00	349,095	100.00

¹ 96.84 per cent. of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1913 and 1914.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1913.	1914.	1913.	1914.
Arlington, . .	\$9,977 80	\$10,395 41	\$14,547 74	\$14,611 90
Belmont, . .	5,924 64	6,186 91	8,274 66	8,227 20
Boston, . .	653,862 80	672,821 42	307,449 26	304,371 90
Braintree, . .	2,071 58	2,122 37	—	—
Brookline, . .	51,678 94	53,151 09	93,828 71	90,022 00
Cambridge, . .	65,521 91	67,709 11	111,944 92	114,341 14
Canton, . .	1,475 44	1,511 64	—	—
Chelsea, . .	15,033 21	15,481 73	28,507 06	29,704 27
Cohasset, . .	219 15	197 12	—	—
Dedham, . .	6,769 87	6,968 84	11,049 18	10,700 14
Dover, . .	1,837 08	1,882 16	—	—
Everett, . .	17,373 30	17,882 01	33,050 51	34,154 23
Hingham, . .	2,219 99	2,274 51	—	—
Hull, . .	1,788 43	1,832 18	—	—
Hyde Park, . .	8,951 24	9,212 67	— ¹	— ¹
Lexington, . .	—	—	4,766 98	4,819 43
Lynn, . .	39,254 52	40,445 51	—	—
Malden, . .	26,173 29	26,939 34	44,771 69	46,117 09
Medford, . .	21,023 92	21,601 11	25,571 59	26,035 94
Melrose, . .	10,262 39	10,558 39	17,103 24	17,437 18
Milton, . .	19,856 84	20,391 28	22,403 21	21,515 56
Nahant, . .	6,516 65	6,673 15	—	—
Needham, . .	3,013 72	3,103 19	—	—
Newton, . .	37,197 46	38,278 40	61,282 25	59,153 23
Quincy, . .	23,343 79	23,998 29	29,948 08	29,125 39
Reading, . .	50 50	51 84	—	—
Revere, . .	13,978 19	14,363 51	18,396 39	18,890 77
Saugus, . .	3,163 66	3,260 60	—	—
Somerville, . .	38,011 41	39,213 54	69,725 37	72,437 60
Stoncham, . .	3,089 37	3,182 46	5,659 41	5,960 69
Swampscott, . .	5,246 64	5,399 71	—	—
Wakefield, . .	5,071 78	5,225 59	10,751 56	11,118 54
Waltham, . .	14,431 32	14,864 02	26,360 93	25,622 38
Watertown, . .	7,612 62	7,838 93	14,958 08	14,490 71
Wellesley, . .	6,848 06	7,044 98	—	—
Weston, . .	3,817 92	3,926 74	—	—
Westwood, . .	879 30	900 91	—	—
Weymouth, . .	2,658 50	2,723 59	—	—
Winchester, . .	9,728 40	9,996 65	13,871 08	13,793 19
Winthrop, . .	6,010 27	6,188 94	13,830 69	13,841 23
Woburn, . .	6,256 20	6,447 31	12,810 93	13,425 71
	\$1,158,202 10	\$1,192,247 15	\$1,000,863 52	\$999,917 42

¹ Included in Boston.

STATEMENT IV.

CHARLES RIVER BASIN.

Gross Charles River Basin debt, April 1, 1914: —

Bonds outstanding (sinking fund), . . .	\$4,125,000 00	
Bonds outstanding (serial), . . .	316,000 00	
	<hr/>	\$4,441,000 00

an increase for the year of \$32,000.

Sinking fund, April 1, 1914, 690,510 91

an increase for the year of \$71,528.94.

Net Charles River Basin debt, April 1, 1914,	\$3,750,489 09
--	----------------

a decrease for the year of \$39,528.94.

TOTAL CHARLES RIVER BASIN LOAN — ASSESSMENT FOR 1914.

District.

Serial bonds,	\$9,000 00	
Less premium,	2,189 09	
	<hr/>	\$6,810 91

Interest: —

One year on \$4,401,000, . . .	\$151,910 00
Six months on \$48,000, . . .	540 00

\$152,450 00

Adjustment of interest charges in

1913,	\$92 74
Interest on bridge,	41,381 82
Accrued interest,	324 38

41,798 94

110,651 06

Maintenance, \$132,111 20

Less balance on hand, 575 26

131,535 94

Total Charles River Basin district assessment,	\$248,997 91
--	--------------

Charles River Bridge.

Sinking fund,	\$8,870 00
Interest,	41,381 82

\$50,251 82

Boston and Cambridge one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Ma- turity of Loan, Accu- mulations at 4 Per Cent.	Balance.	Sinking Fund Require- ments for 1914.
\$177,272 73	Jan., 1944	\$151,659 47	\$497,599 38	-	-
283,636 36	Jan., 1945	260,145 22	888,027 66	-	-
425,454 55	Jan., 1946	251,940 33	894,764 36	-	-
815,454 55	Jan., 1947	324,886 19	1,200,445 86	-	-
283,636 36	Jan., 1948	79,571 89	305,894 27	-	-
602,727 28	Jan., 1949	100,157 09	400,584 10	-	-
336,818 17	Jan., 1950	12,897 20	53,667 06	-	-
\$2,925,000 00	-	\$1,181,257 39 ¹	\$4,240,982 69	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$18,060 81	\$59,258 07	\$13,469 20	\$239 00
116,363 64	Jan., 1945	30,490 32	104,081 28	12,282 36	206 00
174,545 45	Jan., 1946	31,563 68	112,098 19	62,447 26	989 00
334,545 45	Jan., 1947	44,084 84	162,892 32	171,653 13	2,573 00
116,363 64	Jan., 1948	11,794 90	45,342 55	71,021 09	1,009 00
247,272 72	Jan., 1949	17,755 86	71,015 59	176,257 13	2,374 00
138,181 83	Jan., 1950	5,377 05	22,374 66	115,807 17	1,480 00
\$1,200,000 00	-	\$159,127 46	\$577,062 66	\$622,937 34	\$8,870 00

¹ Includes \$659,779.54 balance of cost of embankment which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportions to be paid annually as found by Commissioners.

CITIES AND TOWNS.	For Interest and Sinking Fund Requirements.	For Maintenance Requirements.
Arlington, . . . . .	.00462	.00517
Belmont, . . . . .	.00263	.00294
Boston, . . . . .	.60021	.60987
Braintree, . . . . .	.00248	.00278
Brookline, . . . . .	.04545	.05087
Cambridge, . . . . .	.09501	.04897
Canton, . . . . .	.00177	.00198
Chelsea, . . . . .	.00977	.01094
Dedham, . . . . .	.00547	.00612
Dover, . . . . .	.00220	.00246
Everett, . . . . .	.01048	.01173
Hingham, . . . . .	.00266	.00298
Hull, . . . . .	.00215	.00241
Hyde Park, . . . . .	.00577	.00646
Lynn, . . . . .	.02841	.03180
Malden, . . . . .	.01726	.01932
Medford, . . . . .	.00930	.01041
Melrose, . . . . .	.00654	.00732
Milton, . . . . .	.01152	.01289
Nahant, . . . . .	.00310	.00347
Needham, . . . . .	.00236	.00264
Newton, . . . . .	.03099	.03469
Quincy, . . . . .	.01173	.01313
Revere, . . . . .	.00600	.00672
Saugus, . . . . .	.00223	.00250
Somerville, . . . . .	.02508	.02807
Stoneham, . . . . .	.00198	.00222
Swampscott, . . . . .	.00432	.00484
Wakefield, . . . . .	.00371	.00415
Waltham, . . . . .	.01095	.01226
Watertown, . . . . .	.00593	.00664
Wellesley, . . . . .	.00588	.00658
Weston, . . . . .	.00335	.00375
Westwood, . . . . .	.00105	.00118
Weymouth, . . . . .	.00319	.00357
Winchester, . . . . .	.00530	.00593
Winthrop, . . . . .	.00468	.00524
Woburn, . . . . .	.00447	.00500
	1.00000	1.00000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$511 21	\$680 04	\$31 47	\$1,222 72
Belmont, . . .	291 01	386 72	17 91	695 64
Boston, . . .	66,413 87	80,219 82	4,087 98	150,721 67
Braintree, . . .	274 41	365 67	16 89	656 97
Brookline, . . .	5,029 09	6,691 23	309 56	12,029 88
Cambridge, . . .	10,512 96	6,441 32	647 10	17,601 38
Canton, . . .	195 85	260 44	12 06	468 35
Chelsea, . . .	1,081 06	1,439 00	66 54	2,586 60
Dedham, . . .	605 26	805 00	37 26	1,447 52
Dover, . . .	243 43	323 58	14 98	581 99
Everett, . . .	1,159 62	1,542 92	71 38	2,773 92
Hingham, . . .	294 33	391 98	18 12	704 43
Hull, . . .	237 90	317 00	14 64	569 54
Hyde Park, . . .	638 46	849 72	39 30	1,527 48
Lynn, . . .	3,143 60	4,182 84	193 50	7,519 94
Malden, . . .	1,909 84	2,541 27	117 56	4,568 67
Medford, . . .	1,029 05	1,369 29	63 34	2,461 68
Melrose, . . .	723 66	962 84	44 54	1,731 04
Milton, . . .	1,274 70	1,695 50	78 46	3,048 66
Nahant, . . .	343 02	456 43	21 11	820 56
Needham, . . .	261 14	347 26	16 07	624 47
Newton, . . .	3,429 08	4,562 98	211 07	8,203 13
Quincy, . . .	1,297 94	1,727 07	79 89	3,104 90
Revere, . . .	663 91	883 92	40 87	1,588 70
Saugus, . . .	246 75	328 84	15 19	590 78
Somerville, . . .	2,775 13	3,692 21	170 82	6,638 16
Stoneham, . . .	219 09	292 01	13 49	524 59
Swampscott, . . .	478 01	636 63	29 42	1,144 06
Wakefield, . . .	410 51	545 88	25 27	981 66
Waltham, . . .	1,211 63	1,612 63	74 58	2,898 84
Watertown, . . .	656 16	873 40	40 39	1,569 95
Wellesley, . . .	650 63	865 51	40 05	1,556 19
Weston, . . .	370 68	493 26	22 82	886 76
Westwood, . . .	116 18	155 21	7 15	278 54
Weymouth, . . .	352 98	469 58	21 72	844 28
Winchester, . . .	586 45	780 01	36 10	1,402 56
Winthrop, . . .	517 85	689 25	31 87	1,238 97
Woburn, . . .	494 61	657 68	30 44	1,182 73
	\$110,651 06	\$131,535 94	\$6,810 91	\$248,997 91

CHARLES RIVER BASIN DEBT ANALYZED.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,441,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,393,363 57
Sinking fund, . . .	697,281 61	81,283 11	81,283 11	189,825 24	344,890 15
Net debt, . . .	\$3,743,718 39	\$518,716 89	\$518,716 89	\$657,811 19	\$2,048,473 42

STATEMENT OF THE DEBTS OF THE METRO

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund), . .		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial),		145,000 00		—		197,500 00	
Gross debt,		\$8,930,000 00		\$700,000 00		\$2,765,000 00	
Sinking funds, July 1, 1914,		2,582,695 27		199,767 19		696,417 60	
Net debt,		\$6,347,304 73		\$500,232 81		\$2,068,582 40	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00564	\$35,798 80	.00515	\$2,576 20	.01057	\$21,864 92
2	Belmont, . . . . .	.00312	19,803 59	.00293	1,465 68	.00594	12,287 38
3	Boston, . . . . .	.59453	3,773,663 08	.60768	303,981 48	.46943	971,054 64
4	Braintree, . . . . .	.00167	10,600 00	.00277	1,385 64	.00208	4,302 65
5	Brookline, . . . . .	.04653	295,340 08	.05068	25,351 80	.03815	78,916 42
6	Cambridge, . . . . .	.05328	338,184 40	.04879	24,406 36	.05317	109,986 53
7	Canton, . . . . .	.00119	7,553 29	.00197	985 46	.00148	3,061 50
8	Chelsea, . . . . .	.01289	81,816 76	.01090	5,452 54	.01463	30,263 36
9	Cohasset,	—	—	.00360	1,800 83	—	—
10	Dedham, . . . . .	.00624	39,607 18	.00609	3,046 42	.00459	9,494 79
11	Dover, . . . . .	.00148	9,394 01	.00245	1,225 57	.00185	3,826 88
12	Everett, . . . . .	.01368	86,831 13	.01169	5,847 72	.02184	45,177 84
13	Hingham, . . . . .	.00179	11,361 68	.00296	1,480 69	.00223	4,612 94
14	Hull, . . . . .	.00144	9,140 12	.00240	1,200 56	.00180	3,723 45
15	Hyde Park, . . . . .	.00721	45,764 07	.00643	3,216 50	.01052	21,761 49
16	Lexington,	—	—	—	—	—	—
17	Lynn, . . . . .	.03691	234,279 02	.03168	15,847 38	.02480	51,300 84
18	Malden, . . . . .	.02135	135,514 96	.01925	9,629 48	.02644	54,693 32
19	Medford, . . . . .	.01142	72,486 22	.01038	5,192 42	.04294	88,824 93
20	Melrose, . . . . .	.00797	50,588 02	.00730	3,651 70	.01322	27,346 66
21	Milton, . . . . .	.01188	75,405 98	.01284	6,422 99	.03957	81,853 81
22	Nahant, . . . . .	.00208	13,202 39	.00345	1,725 80	.02020	41,785 36
23	Needham, . . . . .	.00280	17,772 45	.00263	1,315 61	.00198	4,095 79
24	Newton, . . . . .	.03400	215,808 36	.03457	17,293 05	.02602	53,824 51
25	Quincy, . . . . .	.01478	93,813 16	.01309	6,548 05	.04393	90,872 82
26	Revere, . . . . .	.00773	49,064 67	.00670	3,351 56	.03093	63,981 25
27	Saugus, . . . . .	.00301	19,105 39	.00249	1,245 58	.00188	3,888 93
28	Somerville, . . . . .	.03241	205,716 15	.02797	13,991 51	.02929	60,588 78
29	Stoneham, . . . . .	.00267	16,947 30	.00222	1,110 52	.00214	4,426 77
30	Swampscott, . . . . .	.00481	30,530 54	.00482	2,411 12	.00363	7,508 95
31	Wakefield, . . . . .	.00479	30,103 59	.00414	2,070 96	.00311	6,433 29
32	Waltham, . . . . .	.01351	85,752 09	.01222	6,112 84	.00919	19,010 27
33	Watertown, . . . . .	.00708	44,938 92	.00662	3,311 54	.00498	10,301 54
34	Wellesley, . . . . .	.00621	39,416 76	.00655	3,276 52	.00493	10,198 11
35	Weston, . . . . .	.00344	21,834 73	.00374	1,870 87	.00281	5,812 72
36	Westwood, . . . . .	.00071	4,506 58	.00117	585 27	.00088	1,820 35
37	Weymouth, . . . . .	.00214	13,583 23	.00356	1,780 83	.00268	5,513 80
38	Winchester, . . . . .	.00608	38,591 61	.00591	2,956 38	.01849	38,248 09
39	Winthrop, . . . . .	.00559	35,481 43	.00523	2,616 22	.00393	8,129 53
40	Woburn, . . . . .	.00594	37,702 99	.00498	2,491 16	.00375	7,757 19
		1.00000	\$6,347,304 73	1.00000	\$500,232 81	1.00000	\$2,068,582 40

¹ See preceding page for details.² District proportion.

POLITAN DISTRICT (ACTS OF 1911, CHAPTER 526).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00		TOTALS.	
424,000 00		—		623,000 00		316,000 00			
\$6,987,000 00		\$8,877,912 00		\$42,021,000 00		\$4,441,000 00			
1,794,608 64		1,014,027 13		11,024,003 48		697,281 61			
\$5,192,391 36 5,136,391 36 ²		\$7,863,884 87		\$30,996,996 52		\$3,743,718 39 ¹ 2,048,473 42 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0317	\$162,823 61	—	—	.007631676	\$236,559 03	.00462	\$9,463 95	\$469,086 51	1
.0183	96,564 16	—	—	.004410169	136,701 99	.00263	5,387 48	272,210 28	2
.1538	789,976 99	.4370	\$3,436,517 69	.771317104	23,908,513 59	.60021	2,406,042 31	35,589,749 78	3
—	—	—	—	—	—	.00248	5,080 21	21,368 50	4
—	—	.2267	1,782,742 70	—	—	.04545	93,103 12	2,275,454 12	5
.2265	1,163,392 64	—	—	—	—	.09501	713,342 34	2,349,312 27	6
—	—	—	—	—	—	.00177	3,625 80	15,226 05	7
.0523	268,633 27	—	—	.023410433	725,653 11	.00977	20,013 59	1,131,832 63	8
—	—	—	—	—	—	—	—	1,800 83	9
—	—	.0219	172,219 08	—	—	.00547	11,205 15	235,572 62	10
—	—	—	—	—	—	.00220	4,506 64	18,953 10	11
.0571	* 321,287 95	—	—	.020910737	648,170 04	.01048	21,468 00	1,128,782 68	12
—	—	—	—	—	—	.00266	5,448 94	22,904 25	13
—	—	—	—	—	—	.00215	4,404 22	18,468 35	14
—	—	—	—	—	—	.00577	11,819 69	82,561 75	15
.0101	51,877 55	—	—	.003793066	117,573 65	—	—	169,451 20	16
—	—	—	—	—	—	.02841	58,197 13	359,624 37	17
.0809	* 443,534 06	—	—	.021443722	664,690 98	.01726	35,356 65	1,343,419 45	18
.0525	269,660 55	—	—	.012846313	398,197 12	.00930	19,050 80	853,412 04	19
.0349	179,260 06	—	—	.010422631	323,070 26	.00654	13,397 02	597,313 72	20
—	—	.0531	417,572 29	.007314575	226,729 86	.01152	23,598 41	831,583 34	21
—	—	—	—	.002648791	82,104 57	.00310	6,350 26	145,168 38	22
—	—	—	—	—	—	.00236	4,834 40	28,018 25	23
—	—	.1308	1,028,596 14	.002863221	88,751 25	.03099	63,482 19	1,467,755 50	24
—	—	.0534	419,931 45	.023686471	734,209 46	.01173	24,028 59	1,369,403 53	25
.0363	186,451 01	—	—	.012435314	385,457 38	.00600	12,290 84	700,596 71	26
—	—	—	—	—	—	.00223	4,568 10	28,808 00	27
.1299	667,217 24	—	—	.050621885	1,569,126 39	.02508	51,375 71	2,568,015 78	28
.0098	50,336 64	—	—	.003579165	110,943 37	.00198	4,055 98	187,820 58	29
—	—	—	—	.004974939	154,208 17	.00432	8,849 41	203,508 19	30
.0205	105,296 02	—	—	—	—	.00371	7,599 84	151,803 70	31
—	—	.0477	375,107 31	—	—	.01095	22,430 78	508,413 29	32
—	—	.0294	231,198 21	.008600484	266,589 17	.00593	12,147 45	568,486 83	33
—	—	—	—	—	—	.00588	12,045 02	64,936 41	34
—	—	—	—	—	—	.00335	6,862 39	36,380 71	35
—	—	—	—	—	—	.00105	2,150 90	9,063 10	36
—	—	—	—	—	—	.00319	6,534 63	27,442 49	37
.0315	161,796 32	—	—	—	—	.00530	10,856 91	252,449 31	38
.0306	157,173 57	—	—	.007089304	219,747 13	.00468	9,586 86	432,734 74	39
.0228	117,109 72	—	—	—	—	.00447	9,156 68	174,217 74	40
1.0000	\$5,192,391 36	1.0000	\$7,863,884 87	1.000000000	\$30,996,996 52	1.00000	\$3,743,718 39	\$56,713,111 08	

³ Includes \$28,000, share of special loan, chapter 512, Acts of 1911.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 4 per cent. per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

\$1 for 1 year	= 1.04040000	\$1 each year for 19 years	= 28.90197165
\$1 in 2 years	= 1.08243216	\$1 in 20 years	= 2.20803964
\$1 each year for 2 years	= 2.12283216	\$1 each year for 20 years	= 31.11001129
\$1 in 3 years	= 1.12616241	\$1 in 21 years	= 2.29724444
\$1 each year for 3 years	= 3.24899457	\$1 each year for 21 years	= 33.40725573
\$1 in 4 years	= 1.17165938	\$1 in 22 years	= 2.39005311
\$1 each year for 4 years	= 4.42065395	\$1 each year for 22 years	= 35.79730884
\$1 in 5 years	= 1.21899441	\$1 in 23 years	= 2.48661126
\$1 each year for 5 years	= 5.63964836	\$1 each year for 23 years	= 38.28392010
\$1 in 6 years	= 1.26824179	\$1 in 24 years	= 2.58707035
\$1 each year for 6 years	= 6.90789015	\$1 each year for 24 years	= 40.87099045
\$1 in 7 years	= 1.31947875	\$1 in 25 years	= 2.69158799
\$1 each year for 7 years	= 8.22736890	\$1 each year for 25 years	= 43.56257844
\$1 in 8 years	= 1.37278570	\$1 in 26 years	= 2.80032815
\$1 each year for 8 years	= 9.60015460	\$1 each year for 26 years	= 46.36290659
\$1 in 9 years	= 1.42824624	\$1 in 27 years	= 2.91346140
\$1 each year for 9 years	= 11.02840084	\$1 each year for 27 years	= 49.27636799
\$1 in 10 years	= 1.48594738	\$1 in 28 years	= 3.03116524
\$1 each year for 10 years	= 12.51434822	\$1 each year for 28 years	= 52.30753323
\$1 in 11 years	= 1.54597966	\$1 in 29 years	= 3.15362432
\$1 each year for 11 years	= 14.06032788	\$1 each year for 29 years	= 55.46115755
\$1 in 12 years	= 1.60843724	\$1 in 30 years	= 3.28103074
\$1 each year for 12 years	= 15.66876512	\$1 each year for 30 years	= 58.74218829
\$1 in 13 years	= 1.673411810	\$1 in 31 years	= 3.41358438
\$1 each year for 13 years	= 17.34218322	\$1 each year for 31 years	= 62.15577267
\$1 in 14 years	= 1.74102419	\$1 in 32 years	= 3.55149318
\$1 each year for 14 years	= 19.08320741	\$1 each year for 32 years	= 65.70726585
\$1 in 15 years	= 1.81136157	\$1 in 33 years	= 3.69497350
\$1 each year for 15 years	= 20.89456898	\$1 each year for 33 years	= 69.40223935
\$1 in 16 years	= 1.88454057	\$1 in 34 years	= 3.84425042
\$1 each year for 16 years	= 22.77910955	\$1 each year for 34 years	= 73.24648977
\$1 in 17 years	= 1.96067601	\$1 in 35 years	= 3.99955813
\$1 each year for 17 years	= 24.73978556	\$1 each year for 35 years	= 77.24604790
\$1 in 18 years	= 2.03088732	\$1 in 36 years	= 4.16114027
\$1 each year for 18 years	= 26.77967288	\$1 each year for 36 years	= 81.40718817
\$1 in 19 years	= 2.12229877		
\$1 each year for 19 years	= 28.90197165		

INDEX.

A.

	PAGE
Alewife Brook,	19

B.

Boston and Cambridge, Charles River Bridge,	27-28
Boulevards. See "Metropolitan Parks."	

C.

Charles River Basin Loan:—	
Division of Assessment into Interest, Serial Bonds and Maintenance Requirements,	30
Charles River Basin Assessment, how made up,	27
Charles River Basin Loan Sinking Fund (Charles River Bridge),	28
Charles River Basin Loan Sinking Fund (District),	28
Charles River Basin Debt Analyzed,	31
Proportion in Percentages to be paid annually,	29
Comparison of 1913 and 1914 Parks and Sewerage Assessments,	26
Comparison of 1913 and 1914 Water Assessments,	9

D.

Debts of the Metropolitan District,	32-33
---	-------

G.

Gross Charles River Basin Loan Debt, April 1, 1914,	27
Gross Metropolitan Water Debt, April 1, 1914,	6
Gross Metropolitan Parks Debt, April 1, 1914,	10
Gross Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1914,	10
Gross Metropolitan Sewerage (North System) Debt, April 1, 1914,	20
Gross Metropolitan Sewerage (South System) Debt, April 1, 1914,	21

M.

Metropolitan Districts, Total Assessment of,	5
Metropolitan Parks:—	
Assessment, how made up,	10-11
Proportion in Percentages to be paid annually,	13
Sinking Fund, Parks,	14
Sinking Fund, Boulevard (Series 2),	14
Sinking Fund, Nantasket,	14
Division of Assessment into Sinking Fund, Interest, Cost of Maintenance Requirements and Serial Bonds,	12

Metropolitan Parks — <i>Concluded.</i>	PAGE
Proportion of Parks, Boulevard and Nantasket Sinking Fund and Total Sinking Fund,	15
Proportion of Parks, Boulevard and Nantasket Interest and Total Interest,	16
Proportion of Parks, Boulevard and Nantasket Maintenance and Total Maintenance,	17
Proportion of Parks and Boulevard Serial Bonds and Total Serial Bonds,	18
Metropolitan Parks and Sewerage Loans, Comparison of 1913 and 1914 Assessments,	26
Metropolitan Sewerage Loan, North System:—	
Amounts provided for and to be provided for,	23
Assessments, how made up,	20
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Cost of Maintenance Requirements,	22
Proportion in Percentages to be paid annually,	23
Sinking Fund,	22
Metropolitan Sewerage Loan, South System:—	
Amounts provided for and to be provided for,	25
Assessments, how made up,	21
Division of Assessment into Sinking Fund, Interest and Cost of Maintenance Requirements,	24
Proportion in Percentages to be paid annually,	25
Sinking Fund,	24
Metropolitan Water Loan:—	
Assessment, how made up,	6
Comparison of Total, 1913 and 1914 Assessment,	9
Computation for determining Assessment,	7
Division of Assessment into Sinking Fund, Interest, Cost of Maintenance and Serial Bonds,	8
Sinking Fund,	7

N.

Nantasket. See "Metropolitan Parks."	
Net Charles River Basin Loan Debt, April 1, 1914,	27
Net Metropolitan Sewerage (South System) Debt, April 1, 1914,	21
Net Metropolitan Sewerage (North System) Debt, April 1, 1914,	20
Net Metropolitan Parks, Series 2, Debt, April 1, 1914,	10
Net Water Debt of Cities in Original Metropolitan District, Jan. 1, 1914,	9
Net Metropolitan Water Debt, April 1, 1914,	6
Net Metropolitan Parks Debt, April 1, 1914,	10

O.

Outlet for Sewage of Malden and Everett,	21
--	----

P.

Parks. See "Metropolitan Parks."

R.

Revenue from Water received by Cities and Towns, 1913,	9
--	---

S.

PAGE

Sewerage Loan. See "Metropolitan Sewerage Loan."

Sinking Fund Table, 34

T.

Total Assessments of Metropolitan Districts, 5

W.

Water Debt, Net, of Cities in Original Metropolitan District, 9

Water Loan. See "Metropolitan Water Loan."

Water Revenue received by Cities and Towns, 1913, 9

Wellington Bridge:—

Special Assessment, 19

Water Assessments, 1913 and 1914, Comparison of, 9

The Commonwealth of Massachusetts.

1915

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET.
1915.

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 1, 1915.

Under the provisions of chapter 526 of the Acts of the year 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1915, to be paid by the cities and towns comprising the various metropolitan districts, are compiled and printed as a public document and herewith submitted.

CHARLES L. BURRILL,
Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1915.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewer, North and South Systems.	Charles River Basin.	Total.
Arlington, . . .	\$17,850 63	\$10,495 61	\$14,540 81N	\$1,145 20	\$44,032 25
Belmont, . . .	10,106 51	6,231 58	8,236 13N	651 57	25,225 79
Boston, . . .	1,665,006 20	686,559 79	{ 86,677 78N 223,686 57S }	193,198 09	2,855,128 43
Braintree, . . .	-	2,176 30	-	615 29	2,791 59
Brookline, . . .	-	54,264 10	92,550 90S	11,267 17	158,082 17
Cambridge, . . .	-	68,837 32	112,675 22N	42,138 63	223,651 17
Canton, . . .	-	1,550 00	-	438 66	1,988 66
Chelsea, . . .	49,742 74	15,800 17	28,934 81N	2,422 57	96,900 29
Cohasset, . . .	-	226 42	-	-	226 42
Dedham, . . .	-	7,107 72	11,116 98S	1,355 76	19,580 46
Dover, . . .	-	1,929 99	-	545 12	2,475 11
Everett, . . .	47,776 83	18,276 40	33,351 79N	2,598 04	102,003 06
Hingham, . . .	-	2,332 24	-	659 74	2,991 98
Hull, . . .	-	1,878 83	-	533 40	2,412 23
Hyde Park, . . .	- ¹	9,414 01	-	1,430 61	10,844 62
Lexington, . . .	8,437 21	-	4,777 67N	-	13,214 88
Lynn, . . .	-	41,211 07	-	7,043 15	48,254 22
Malden, . . .	45,702 09	29,521 59	45,145 65N	4,278 99	124,648 32
Medford, . . .	27,821 61	24,901 55	25,704 21N	2,305 61	80,732 98
Melrose, . . .	19,321 32	10,796 50	17,201 57N	1,621 29	48,940 68
Milton, . . .	16,430 78	20,936 61	22,144 92S	2,855 41	62,367 72
Nahant, . . .	5,574 45	6,894 97	-	768 54	13,237 96
Needham, . . .	-	3,163 98	-	584 88	3,748 86
Newton, . . .	6,124 92	39,055 33	61,233 44S	7,683 00	114,096 69
Quincy, . . .	50,070 54	24,606 75	30,403 10S	2,908 03	107,988 42
Reading, . . .	-	196 53	-	-	196 53
Revere, . . .	28,816 53	14,750 39	19,089 73N	1,487 92	64,144 57
Saugus, . . .	-	3,321 03	-	553 28	3,874 31
Somerville, . . .	110,781 34	41,722 21	70,682 61N	6,217 31	229,403 47
Stoneham, . . .	7,269 00	3,746 71	5,770 53N	491 29	17,277 53
Swampscott, . . .	11,858 74	5,508 61	-	1,071 53	18,438 88
Wakefield, . . .	-	5,324 22	10,878 06N	919 45	17,121 73
Waltham, . . .	-	15,150 31	26,729 75S	2,715 01	44,595 07
Watertown, . . .	19,942 86	7,992 14	15,061 15S	1,470 38	44,466 53
Wellesley, . . .	-	7,190 37	-	1,457 53	8,647 90
Weston, . . .	-	4,008 87	-	830 53	4,839 40
Westwood, . . .	-	923 76	-	260 84	1,184 60
Weymouth, . . .	-	2,792 91	-	790 76	3,583 67
Winchester, . . .	-	10,254 88	13,807 21N	1,313 64	25,375 73
Winthrop, . . .	15,695 24	6,309 92	13,803 31N	1,160 40	36,968 87
Woburn, . . .	-	6,567 43	13,034 77N	1,107 78	20,709 98
	\$2,164,329 54	\$1,223,929 12 ²	\$1,007,238 67 ³	\$310,896 40 ⁴	\$4,706,393 73

N, North System.

S, South System.

¹ Included in Boston.² Includes \$20,525.77, special assessments for Wellington Bridge and Alewife Brook.³ Includes \$5,421.89, special assessments on Everett, Malden and Revere.⁴ Includes \$50,218.76, special assessments on Boston and Cambridge, and \$26,336.02, embankment interest on Boston.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1915.

Gross water debt, April 1, 1915: —

Bonds outstanding (sinking fund),	\$41,398,000 00	
Bonds outstanding (serial),	1,096,000 00	
	<hr/>	\$42,494,000 00

an increase for the year of \$473,000.

Sinking fund, April 1, 1915,	11,857,938 51	
	<hr/>	

an increase for the year of \$952,067.72.

Net water debt, April 1, 1915,	\$30,636,061 49	
--	-----------------	--

a decrease for the year of \$479,067.72.

Total Water Assessment for 1915.

Sinking fund requirements,	\$276,733 97	
Serial bonds,	\$30,000 00	
Less premium,	7,933 10	
	<hr/>	22,066 90

Interest: —

One year on \$42,004,000,	\$1,415,900 00	
Six months on \$507,000,	10,115 00	
Interest on advances and temporary loans, estimated, 1915,	30,000 00	
	<hr/>	\$1,456,015 00

Less accrued interest, \$2,885 56

Adjustment of interest charges

in 1914, 5,224 03

8,109 59

1,447,905 41

Maintenance as appropriated by Legislature,	\$460,835 00	
---	--------------	--

Less balance on hand,	43,211 74	
	<hr/>	417,623 26

Total water assessment for 1915,	\$2,164,329 54	
--	----------------	--

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1914.	Amount of Dec. 1, 1914, Sinking Fund, at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1915.
\$13,000,000	July, 1935	\$4,879,057 11	\$10,988,614 53	\$2,011,385 47	\$67,265 98
4,000,000	Jan., 1938	1,269,604 11	3,157,011 88	842,988 12	22,908 96
4,000,000	July, 1939	1,097,524 43	2,896,160 37	1,103,839 63	28,099 02
10,000,000	Jan., 1941	2,351,873 90	6,586,018 69	3,413,981 31	76,610 95
3,500,000	Jan., 1942	775,099 02	2,258,221 08	1,241,778 92	26,218 39
2,000,000	Jan., 1943	391,184 75	1,185,745 62	814,254 38	16,195 57
2,000,000	Jan., 1944	354,596 38	1,118,263 77	881,736 23	16,540 56
650,000	Jan., 1945	137,074 37	449,745 22	200,254 78	3,546 77
1,350,000	Jan., 1946	202,887 17	692,572 47	657,427 53	11,004 41
398,000	Jan., 1949	38,303 16	147,246 94	250,753 06	3,561 72
500,000	Jan., 1950	36,249 05	144,980 18	355,019 82	4,781 64
\$41,398,000	—	\$11,533,453 45	\$29,624,580 75	\$11,773,419 25	\$276,733 97

Computations for determining the Assessment for 1915. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation April 1, 1914.	Average Daily Con- sumption (Gallons), 1914.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington,	\$17,260,941	860,500	.008,664,257	.008,039,344	.008,247,648
Belmont,	9,388,870	497,500	.004,712,813	.004,647,965	.004,669,581
Boston,	1,549,877,900	81,877,800	.777,972,658	.764,955,001	.769,294,220
Chelsea,	29,214,310	2,904,400	.014,679,398	.027,134,770	.022,982,979
Everett,	31,867,350	2,688,100	.015,996,052	.025,113,957	.022,074,655
Lexington,	9,383,991	373,800	.004,710,364	.003,492,280	.003,898,308
Malden,	42,896,770	2,237,900	.021,532,351	.020,907,899	.021,116,050
Medford,	29,964,550	1,258,900	.015,040,927	.011,761,453	.012,854,611
Melrose,	18,641,955	932,500	.009,357,467	.008,712,014	.008,927,165
Milton,	32,466,279	346,700	.016,296,689	.003,239,094	.007,591,626
Nahant,	9,005,550	171,600	.004,520,402	.001,603,197	.002,575,599
Newton, ¹	16,913,394	—	.008,489,803	—	.002,829,934
Quincy,	41,138,240	2,609,200	.020,619,643	.024,376,822	.023,134,429
Revere,	21,838,514	1,551,000	.010,962,003	.014,490,438	.013,314,293
Somerville,	75,126,194	6,199,800	.037,710,148	.057,922,514	.051,185,059
Stonham,	5,971,937	378,800	.002,997,658	.003,538,993	.003,358,548
Swampscott,	16,367,944	440,000	.008,216,010	.004,110,763	.005,479,179
Watertown,	18,411,400	984,800	.009,241,738	.009,200,634	.009,214,335
Winthrop,	16,434,900	722,800	.008,249,619	.006,752,862	.007,251,781
	\$1,992,206,989	107,636,100	1 000,000,000	1 000,000,000	1 000,000,000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.
Division of Assessment for 1915.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington,	\$11,941 82	\$2,282 40	\$3,444 41	\$182 00	\$17,850 63
Belmont,	6,761 11	1,292 23	1,950 13	103 04	10,106 51
Boston,	1,113,865 26	212,889 84	321,275 16	16,975 94	1,665,006 20
Chelsea,	33,277 18	6,360 17	9,598 23	507 16	49,742 74
Everett,	31,962 01	6,108 81	9,218 89	487 12	47,776 83
Lexington,	5,644 38	1,078 79	1,628 02	86 02	8,437 21
Malden,	30,574 04	5,843 53	8,818 55	465 97	45,702 09
Medford,	18,612 26	3,557 31	5,368 38	283 66	27,821 61
Melrose,	12,925 69	2,470 45	3,728 19	196 99	19,321 32
Milton,	10,991 96	2,100 86	3,170 44	167 52	16,430 78
Nahant,	3,729 22	712 76	1,075 63	56 84	5,574 45
Newton,	4,097 48	783 14	1,181 85	62 45	6,124 92
Quincy,	33,496 47	6,402 08	9,661 48	510 51	50,070 54
Revere,	19,277 84	3,684 52	5,560 36	293 81	28,816 53
Somerville,	74,111 12	14,164 65	21,376 07	1,129 50	110,781 34
Stoneham,	4,862 86	929 42	1,402 61	74 11	7,269 00
Swampscott,	7,933 33	1,516 27	2,288 23	120 91	11,858 74
Watertown,	13,341 49	2,549 92	3,848 12	203 33	19,942 86
Winthrop,	10,499 89	2,006 82	3,028 51	160 02	15,695 24
	\$1,447,905 41	\$276,733 97	\$417,623 26	\$22,066 90	\$2,164,329 54

*Comparison of Total Assessments, 1914 and 1915, with Revenue from
Water Rates in 1914.*

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1914.
	1914.	1915.	
Arlington,	\$16,583 29	\$17,850 63	\$51,170 57
Belmont,	9,583 11	10,106 51	30,921 23 ¹
Boston,	1,676,038 11	1,665,006 20	2,913,708 45 ²
Chelsea,	50,869 84	49,742 74	119,056 62
Everett,	45,438 12	47,776 83	112,350 78 ¹
Lexington,	8,242 15	8,437 21	23,781 46
Malden,	46,596 27	45,702 09	109,140 82 ²
Medford,	27,914 48	27,821 61	73,750 19 ³
Melrose,	22,647 92	19,321 32	46,664 85 ²
Milton,	15,894 25	16,430 78	56,756 09
Nahant,	5,755 70	5,574 45	12,498 91 ³
Newton,	6,221 66 ⁴	6,124 92 ⁴	—
Quincy,	51,469 66	50,070 54	142,320 11
Revere,	27,021 39	28,816 53	79,746 05 ³
Somerville,	109,999 13	110,781 34	242,574 18 ¹
Stoneham,	7,777 36	7,269 00	26,151 76 ²
Swampscott,	10,810 32	11,858 74	41,831 63 ⁵
Watertown,	18,688 47	19,942 86	71,999 33 ¹
Winthrop,	15,404 73	15,695 24	54,568 15
	\$2,172,955 96	\$2,164,329 54	\$4,288,991 18

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering and other municipal purposes.

³ No money received for hydrant rentals.

⁴ Not taking water from the district.

⁵ No money received for water used for street watering.

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	1914.	1915.	Decrease.
Boston,	\$554,651 18	\$466,906 67	\$87,744 51
Somerville,	32,000 00	26,000 00	6,000 00
Chelsea,	134,230 00	134,230 00	—
Everett,	59,213 71	53,176 17	6,037 54
Malden,	42,313 02	35,936 20	6,376 82
Medford, ¹	—8,025 93	—7,683 73	342 20 ²
Melrose,	82,363 91	96,442 94	14,079 03 ²
	\$896,745 89	\$805,008 25	\$91,737 64

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1915: —

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	141,250 00	
	<hr/>	\$9,626,250 00

a decrease for the year of \$3,750.

Sinking fund, April 1, 1915,	2,935,444 06	
	<hr/>	

an increase for the year of \$179,958.85.

Net parks debt, April 1, 1915,	\$6,690,805 94	
--	----------------	--

a decrease for the year of \$183,708.85.

BOULEVARDS.

Gross parks, series two (boulevards) debt, April 1, 1915: —

Bonds outstanding (sinking fund) (one-half),	\$2,567,500 00	
Bonds outstanding (serial) (one-half),	292,500 00	
Bonds outstanding (serial) 78.75 per cent. (chapter 276, Acts of 1915),	90,562 50	
	<hr/>	\$2,950,562 50

an increase for the year of \$185,562.50.

Sinking fund, April 1, 1915,	751,570 41	
--	------------	--

an increase for the year of \$61,904.90.

Net parks, series two (boulevards) debt, April 1, 1915,	\$2,198,992 09	
---	----------------	--

an increase for the year of \$123,657.60.

METROPOLITAN PARKS LOAN.

The total parks assessment for 1915 is made up as follows: —

Parks sinking fund,		\$56,078 19
Parks, series two, sinking fund,		14,408 00
Nantasket sinking fund,		3,659 03
Parks, serial bonds,	\$9,250 00	
Less premium,	80 95	
	<hr/>	9,169 05
Parks, series two, serial bonds,	\$7,443 75	
Premium, 1914 balance,	\$473 00	
Premium, 1915,	2,014 64	
	<hr/>	2,487 64
		<hr/>
		4,956 11

<i>Amount carried forward,</i>	\$88,270 38	
--	-------------	--

Amount brought forward,			\$88,270 38
Parks interest:—			
One year on \$8,921,250,	\$306,401 25		
Six months on \$13,750,	268 12		
Interest on advances and temporary loans, estimated, 1915,	10,000 00		
Adjustment of interest charges in 1914,	555 83		
		\$317,225 20	
Less accrued interest,		29 44	
			317,195 76
Parks, series two, interest:—			
One year on \$2,760,000,	\$96,687 50		
Six months on \$129,437.50,	2,588 75		
Interest from Sept. 29, 1914, to March 2, 1915, on \$24,437.50,	410 01		
Interest on advances and temporary loans, estimated, 1915,	2,000 00		
		\$101,686 26	
Accrued interest,	\$732 80		
Adjustment of interest charges in 1914,	3,764 65		
		4,497 45	
			97,188 81
Nantasket interest:—			
One year on \$700,000,			21,000 00
Parks maintenance, as appropriated by Legislature,	\$543,695 40		
Less balance on hand,	27,474 38		
			516,221 02
Boulevards maintenance, one-half,	\$121,504 08		
Less balance on hand, one-half,	433 60		
			121,070 48
Nantasket maintenance,	\$40,032 26		
Less balance on hand,	1,796 27		
			38,235 99
Wellington Bridge maintenance, one-half,	\$4,646 39		
Less balance on hand, one-half,	425 48		
			4,220 91
Total parks assessment for 1915,			\$1,203,403 35

METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Main- tenance.	Total Serial Bonds.	Grand Total.
Arlington, . . .	\$487 41	\$2,924 42	\$4,411 93	\$104 10	\$7,927 86
Belmont, . . .	271 26	1,628 48	2,454 97	58 05	4,412 76
Boston, . . .	42,327 24	246,967 02	389,487 71	7,777 82	686,559 79
Braintree, . . .	133 76	790 04	1,226 88	25 62	2,176 30
Brookline, . . .	3,344 43	19,531 15	30,772 80	615 72	54,264 10
Cambridge, . . .	3,932 45	23,092 31	36,032 00	752 04	63,808 80
Canton, . . .	95 26	562 67	873 82	18 25	1,550 00
Chelsea, . . .	973 52	5,739 42	8,896 53	190 70	15,800 17
Cohasset, . . .	13 17	75 60	137 65	—	226 42
Dedham, . . .	438 34	2,553 29	4,036 13	79 96	7,107 72
Dover, . . .	118 63	700 70	1,087 92	22 74	1,929 99
Everett, . . .	1,124 60	6,707 33	10,210 80	233 67	18,276 40
Hingham, . . .	143 34	846 67	1,314 77	27 46	2,332 24
Hull, . . .	115 47	682 10	1,059 14	22 12	1,878 83
Hyde Park, . . .	579 42	3,444 44	5,271 90	118 25	9,414 01
Lynn, . . .	2,543 09	14,783 26	23,423 38	461 34	41,211 07
Malden, . . .	1,648 66	9,746 05	15,048 58	326 80	26,770 09
Medford, . . .	1,297 07	8,013 65	11,539 10	317 53	21,167 35
Melrose, . . .	664 12	3,966 19	6,027 59	138 60	10,796 50
Milton, . . .	1,283 32	7,883 69	11,464 56	305 04	20,936 61
Nahant, . . .	420 30	2,695 43	3,660 06	119 18	6,894 97
Needham, . . .	195 17	1,135 81	1,797 52	35 48	3,163 98
Newton, . . .	2,408 05	14,039 48	22,167 09	440 71	39,055 33
Quincy, . . .	1,509 68	9,232 55	13,511 28	353 24	24,606 75
Revere, . . .	903 64	5,598 67	8,023 91	224 17	14,750 39
Saugus, . . .	205 00	1,189 76	1,889 35	36 92	3,321 03
Somerville, . . .	2,341 84	13,714 34	21,483 13	442 33	37,981 64
Stoneham, . . .	188 68	1,101 51	1,733 55	35 09	3,058 83
Swampscott, . . .	339 68	1,979 73	3,127 11	62 09	5,508 61
Wakefield, . . .	328 57	1,908 57	3,027 75	59 33	5,324 22
Waltham, . . .	934 74	5,435 10	8,611 05	169 42	15,150 31
Watertown, . . .	493 00	2,868 77	4,540 77	89 60	7,992 14
Wellesley, . . .	443 25	2,586 48	4,079 27	81 37	7,190 37
Weston, . . .	247 08	1,442 79	2,273 53	45 47	4,008 87
Westwood, . . .	56 78	335 31	520 80	10 87	923 76
Weymouth, . . .	171 65	1,014 03	1,574 33	32 90	2,792 91
Winchester, . . .	628 97	3,849 68	5,628 84	147 39	10,254 88
Winthrop, . . .	389 23	2,264 90	3,585 05	70 74	6,309 92
Woburn, . . .	405 35	2,353 18	3,735 85	73 05	6,567 43
	\$74,145 22	\$435,384 57	\$679,748 40	\$14,125 16	\$1,203,403 35 ¹

¹ Exclusive of \$20,525.77, special assessments for Wellington Bridge and Alewife Brook, which are included on page 4.

METROPOLITAN PARKS.

Proportions to be paid annually as found by Commissioners.

CITIES AND TOWNS.	Parks, 1910-1915.	Boulevards, 1910-1915.	Nantasket, 1910-1915.
Boston, . . . . .	.59453	.46943	.60768
Cambridge, . . . . .	.05328	.05317	.04879
Chelsea, . . . . .	.01289	.01463	.01090
Everett, . . . . .	.01368	.02184	.01169
Lynn, . . . . .	.03691	.02480	.03168
Malden, . . . . .	.02135	.02644	.01925
Medford, . . . . .	.01142	.04294	.01038
Melrose, . . . . .	.00797	.01322	.00730
Newton, . . . . .	.03400	.02602	.03457
Quincy, . . . . .	.01478	.04393	.01309
Somerville, . . . . .	.03241	.02929	.02797
Waltham, . . . . .	.01351	.00919	.01222
Woburn, . . . . .	.00594	.00375	.00498
Arlington, . . . . .	.00564	.01057	.00515
Belmont, . . . . .	.00312	.00594	.00293
Braintree, . . . . .	.00167	.00208	.00277
Brookline, . . . . .	.04653	.03815	.05068
Canton, . . . . .	.00119	.00148	.00197
Cohasset,	—	—	.00360
Dedham, . . . . .	.00624	.00459	.00609
Dover, . . . . .	.00148	.00185	.00245
Hingham, . . . . .	.00179	.00223	.00296
Hull, . . . . .	.00144	.00180	.00240
Hyde Park, . . . . .	.00721	.01052	.00643
Milton, . . . . .	.01188	.03957	.01284
Nahant, . . . . .	.00208	.02020	.00345
Needham, . . . . .	.00280	.00198	.00263
Revere, . . . . .	.00773	.03093	.00670
Saugus, . . . . .	.00301	.00188	.00249
Stoneham, . . . . .	.00267	.00214	.00222
Swampscott, . . . . .	.00481	.00363	.00482
Wakefield, . . . . .	.00479	.00311	.00414
Watertown, . . . . .	.00708	.00498	.00662
Wellesley, . . . . .	.00621	.00493	.00655
Weston, . . . . .	.00344	.00281	.00374
Westwood, . . . . .	.00071	.00088	.00117
Weymouth, . . . . .	.00214	.00268	.00356
Winchester, . . . . .	.00608	.01849	.00591
Winthrop, . . . . .	.00559	.00393	.00523
	1.00000	1.00000	1.00000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1914.	Amount of Dec. 1, 1914, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1915.
\$125,000	Jan., 1928	\$33,580 92	\$56,194 92	\$68,805 08	\$4,127 79
1,300,000	Jan., 1934	495,704 79	1,052,033 67	247,966 33	8,926 18
2,000,000	Jan., 1936	698,647 77	1,604,964 71	395,035 29	12,302 56
1,400,000	Jan., 1937	468,507 42	1,119,757 62	280,242 38	8,144 86
1,000,000	July, 1938	318,356 63	807,461 76	192,538 24	5,232 40
505,000	July, 1939	152,737 98	403,046 78	101,953 22	2,595 29
650,000	Jan., 1941	223,128 35	624,832 60	25,167 40	564 77
125,000	Jan., 1943	26,267 65	79,621 59	45,378 41	902 58
340,000	July, 1943	75,524 70	233,506 40	106,493 60	2,118 16
300,000	Jan., 1944	54,946 14	173,279 48	126,720 52	2,377 16
370,000	Jan., 1945	58,026 67	190,387 29	179,612 71	3,181 17
300,000	Jan., 1946	46,633 79	159,188 38	140,811 62	2,356 99
300,000	Jan., 1947	37,691 79	133,862 14	166,137 86	2,630 60
70,000	Jan., 1949	6,896 97	26,513 68	43,486 32	617 68
\$8,785,000	—	\$2,696,651 57	\$6,664,651 02	\$2,120,348 98	\$56,078 19

Nantasket.

\$600,000	July, 1939	\$183,200 71	\$483,432 19	\$116,567 81	\$2,967 32
100,000	Jan., 1941	24,702 76	69,175 83	30,824 17	691 71
\$700,000	—	\$207,903 47	\$552,608 02	\$147,391 98	\$3,659 03

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1914.	Amount of Dec. 1, 1914, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1915.
\$250,000	Jan., 1934	\$103,641 38	\$219,957 97	\$30,042 03	\$1,081 00
300,000	Jan., 1936	114,051 87	262,005 02	37,994 98	1,183 00
500,000	Jan., 1937	182,172 61	435,402 21	64,597 79	1,877 00
50,000	July, 1938	17,341 97	43,122 74	6,877 26	187 00
250,000	July, 1939	83,188 17	215,213 65	34,786 35	886 00
225,000	Jan., 1940	57,480 20	154,713 02	70,286 98	1,679 00
162,500	July, 1940	48,507 62	130,562 53	31,937 47	763 00
55,000	Jan., 1943	12,362 87	37,473 90	17,526 10	349 00
150,000	July, 1943	30,038 28	91,050 99	58,949 01	1,172 00
150,000	Jan., 1944	29,100 34	91,771 54	58,228 46	1,092 00
150,000	Jan., 1945	24,586 34	80,668 54	69,331 46	1,228 00
150,000	Jan., 1946	19,462 69	66,437 53	83,562 47	1,399 00
150,000	Jan., 1947	19,516 72	69,313 50	80,686 50	1,278 00
25,000	Jan., 1949	2,210 74	8,498 64	16,501 36	234 00
\$2,567,500	—	\$743,661 80	\$1,906,191 78	\$661,308 22	\$14,408 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$316 28	\$152 29	\$18 84	\$487 41
Belmont, . . .	174 96	85 58	10 72	271 26
Boston, . . .	33,340 17	6,763 55	2,223 52	42,327 24
Braintree, . . .	93 65	29 97	10 14	133 76
Brookline, . . .	2,609 32	549 67	185 44	3,344 43
Cambridge, . . .	2,987 85	766 07	178 53	3,932 45
Canton, . . .	66 73	21 32	7 21	95 26
Chelsea, . . .	722 85	210 79	39 88	973 52
Cohasset, . . .	—	—	13 17	13 17
Dedham, . . .	349 93	66 13	22 28	438 34
Dover, . . .	83 00	26 66	8 97	118 63
Everett, . . .	767 15	314 67	42 78	1,124 60
Hingham, . . .	100 38	32 13	10 83	143 34
Hull, . . .	80 75	25 94	8 78	115 47
Hyde Park, . . .	404 32	151 57	23 53	579 42
Lynn, . . .	2,069 85	357 32	115 92	2,543 09
Malden, . . .	1,197 27	380 95	70 44	1,648 66
Medford, . . .	640 41	618 68	37 98	1,297 07
Melrose, . . .	446 94	190 47	26 71	664 12
Milton, . . .	666 21	570 13	46 98	1,283 32
Nahant, . . .	116 64	291 04	12 62	420 30
Needham, . . .	157 02	28 53	9 62	195 17
Newton, . . .	1,906 66	374 90	126 49	2,408 05
Quincy, . . .	828 84	632 94	47 90	1,509 68
Revere, . . .	433 48	445 64	24 52	903 64
Saugus, . . .	168 80	27 09	9 11	205 00
Somerville, . . .	1,817 49	422 01	102 34	2,341 84
Stoneham, . . .	149 73	30 83	8 12	188 68
Swampscott, . . .	269 74	52 30	17 64	339 68
Wakefield, . . .	268 61	44 81	15 15	328 57
Waltham, . . .	757 62	132 11	44 71	934 74
Watertown, . . .	397 03	71 75	24 22	493 00
Wellesley, . . .	348 25	71 03	23 97	443 25
Weston, . . .	192 91	40 49	13 68	247 08
Westwood, . . .	39 82	12 68	4 28	56 78
Weymouth, . . .	120 01	38 61	13 03	171 65
Winchester, . . .	340 95	266 40	21 62	628 97
Winthrop, . . .	313 47	56 62	19 14	389 23
Woburn, . . .	333 10	54 03	18 22	405 35
	\$56,078 19	\$14,408 00	\$3,659 03	\$74,145 22

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$1,788 98	\$1,027 29	\$108 15	\$2,924 42
Belmont, . . .	989 65	577 30	61 53	1,628 48
Boston, . . .	188,582 40	45,623 34	12,761 28	246,967 02
Braintree, . . .	529 72	202 15	58 17	790 04
Brookline, . . .	14,759 12	3,707 75	1,064 28	19,531 15
Cambridge, . . .	16,900 19	5,167 53	1,024 59	23,092 31
Canton, . . .	377 46	143 84	41 37	562 67
Chelsea, . . .	4,088 65	1,421 87	228 90	5,739 42
Cohasset, . . .	—	—	75 60	75 60
Dedham, . . .	1,979 30	446 10	127 89	2,553 29
Dover, . . .	469 45	179 80	51 45	700 70
Everett, . . .	4,339 24	2,122 60	245 49	6,707 33
Hingham, . . .	567 78	216 73	62 16	846 67
Hull, . . .	456 76	174 94	50 40	682 10
Hyde Park, . . .	2,286 98	1,022 43	135 03	3,444 44
Lynn, . . .	11,707 70	2,410 28	665 28	14,783 26
Malden, . . .	6,772 13	2,569 67	404 25	9,746 05
Medford, . . .	3,622 38	4,173 29	217 98	8,013 65
Melrose, . . .	2,528 05	1,284 84	153 30	3,966 19
Milton, . . .	3,768 29	3,845 76	269 64	7,883 69
Nahant, . . .	659 77	1,963 21	72 45	2,695 43
Needham, . . .	888 15	192 43	55 23	1,135 81
Newton, . . .	10,784 66	2,528 85	725 97	14,039 48
Quincy, . . .	4,688 15	4,269 51	274 89	9,232 55
Revere, . . .	2,451 92	3,006 05	140 70	5,598 67
Saugus, . . .	954 76	182 71	52 29	1,189 76
Somerville, . . .	10,280 31	2,846 66	587 37	13,714 34
Stoneham, . . .	846 91	207 98	46 62	1,101 51
Swampscott, . . .	1,525 71	352 80	101 22	1,979 73
Wakefield, . . .	1,519 37	302 26	86 94	1,908 57
Waltham, . . .	4,285 31	893 17	256 62	5,435 10
Watertown, . . .	2,245 75	484 00	139 02	2,868 77
Wellesley, . . .	1,969 79	479 14	137 55	2,586 48
Weston, . . .	1,091 15	273 10	78 54	1,442 79
Westwood, . . .	225 21	85 53	24 57	335 31
Weymouth, . . .	678 80	260 47	74 76	1,014 03
Winchester, . . .	1,928 55	1,797 02	124 11	3,849 68
Winthrop, . . .	1,773 12	381 95	109 83	2,264 90
Woburn, . . .	1,884 14	364 46	104 58	2,353 18
	\$317,195 76	\$97,188 81	\$21,000 00	\$435,384 57

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington,	\$2,935 30	\$1,279 71	\$196 92	\$4,411 93
Belmont,	1,623 78	719 16	112 03	2,454 97
Boston,	309,418 34	56,834 12	23,235 25	389,487 71
Braintree,	869 14	251 83	105 91	1,226 88
Brookline,	24,216 16	4,618 84	1,937 80	30,772 80
Cambridge,	27,729 15	6,437 32	1,865 53	36,032 00
Canton,	619 32	179 18	75 32	873 82
Chelsea,	6,708 50	1,771 26	416 77	8,896 53
Cohasset,	—	—	137 65	137 65
Dedham,	3,247 56	555 71	232 86	4,036 13
Dover,	770 26	223 98	93 68	1,087 92
Everett,	7,119 64	2,644 18	446 98	10,210 80
Hingham,	931 60	269 99	113 18	1,314 77
Hull,	749 44	217 93	91 77	1,059 14
Hyde Park,	3,752 38	1,273 66	245 86	5,271 90
Lynn,	19,209 51	3,002 55	1,211 32	23,423 38
Malden,	11,111 44	3,201 10	736 04	15,048 58
Medford,	5,943 44	5,198 77	396 89	11,539 10
Melrose,	4,147 92	1,600 55	279 12	6,027 59
Milton,	6,182 85	4,790 76	490 95	11,464 56
Nahant,	1,082 53	2,445 62	131 91	3,660 06
Needham,	1,457 24	239 72	100 56	1,797 52
Newton,	17,695 02	3,150 25	1,321 82	22,167 09
Quincy,	7,692 14	5,318 63	500 51	13,511 28
Revere,	4,023 02	3,744 71	256 18	8,023 91
Saugus,	1,566 53	227 61	95 21	1,889 35
Somerville,	16,867 52	3,546 15	1,069 46	21,483 13
Stonham,	1,389 58	259 09	84 88	1,733 55
Swampscott,	2,503 32	439 49	184 30	3,127 11
Wakefield,	2,492 92	376 53	158 30	3,027 75
Waltham,	7,031 17	1,112 64	467 24	8,611 05
Watertown,	3,684 72	602 93	253 12	4,540 77
Wellesley,	3,231 94	596 88	250 45	4,079 27
Weston,	1,790 32	340 21	143 00	2,273 53
Westwood,	369 52	106 54	44 74	520 80
Weymouth,	1,113 74	324 47	136 12	1,574 33
Winchester,	3,164 28	2,238 59	225 97	5,628 84
Winthrop,	2,909 27	475 81	199 97	3,585 05
Woburn,	3,091 42	454 01	190 42	3,735 85
	\$520,441 93	\$121,070 48	\$38,235 99	\$679,748 50

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$51 71	\$52 39	\$104 10
Belmont,	28 61	29 44	58 05
Boston,	5,451 28	2,326 54	7,777 82
Braintree,	15 31	10 31	25 62
Brookline,	426 64	189 08	615 72
Cambridge,	488 53	263 51	752 04
Canton,	10 91	7 34	18 25
Chelsea,	118 19	72 51	190 70
Dedham,	57 21	22 75	79 96
Dover,	13 57	9 17	22 74
Everett,	125 43	108 24	233 67
Hingham,	16 41	11 05	27 46
Hull,	13 20	8 92	22 12
Hyde Park,	66 11	52 14	118 25
Lynn,	338 43	122 91	461 34
Malden,	195 76	131 04	326 80
Medford,	104 71	212 82	317 53
Melrose,	73 08	65 52	138 60
Milton,	108 93	196 11	305 04
Nahant,	19 07	100 11	119 18
Needham,	25 67	9 81	35 48
Newton,	311 75	128 96	440 71
Quincy,	135 52	217 72	353 24
Revere,	70 88	153 29	224 17
Saugus,	27 60	9 32	36 92
Somerville,	297 17	145 16	442 33
Stoneham,	24 48	10 61	35 09
Swampscott,	44 10	17 99	62 09
Wakefield,	43 92	15 41	59 33
Waltham,	123 87	45 55	169 42
Watertown,	64 92	24 68	89 60
Wellesley,	56 94	24 43	81 37
Weston,	31 54	13 93	45 47
Westwood,	6 51	4 36	10 87
Weymouth,	19 62	13 28	32 90
Winchester,	55 75	91 64	147 39
Winthrop,	51 26	19 48	70 74
Woburn,	54 46	18 59	73 05
	\$9,169 05	\$4,956 11	\$14,125 16

*Wellington Bridge.**Special Assessment.*

CITIES AND TOWNS.	Maintenance.	Per Cent.
Malden,	\$1,181 85	14
Medford,	1,603 95	19
Reading,	84 42	1
Somerville,	1,055 23	12½
Stoneham,	295 46	3½
	<u>\$4,220 91</u>	<u>50</u>

Chapter 276, Acts of 1915.

Bonds issued, 42½ per cent.,	\$48,875 00	
Serial bond due Jan. 1, 1916,	\$4,887 50	
Less premium,	791 29	
	<u></u>	\$4,096 21
Interest: —		
Six months on \$48,875,	\$977 50	
Interest from Sept. 29, 1914, to March 2, 1915, on \$48,875,	820 01	
	<u>\$1,797 51</u>	
Less accrued interest,	287 82	
	<u></u>	\$1,509 69

CITIES AND TOWNS.	Serial Bonds.	Interest.
Malden,	\$1,146 94	\$422 71
Medford,	1,556 56	573 69
Reading,	81 92	30 19
Somerville,	1,024 05	377 42
Stoneham,	286 74	105 68
	<u>\$4,096 21</u>	<u>\$1,509 69</u>

Alewife Brook (Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907, and Chapter 458 of the Acts of 1911).¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.
Arlington,	\$1,636 79	\$930 96	\$2,567 75
Belmont,	1,159 39	659 43	1,818 82
Cambridge,	3,205 38	1,823 14	5,028 52
Somerville,	818 39	465 48	1,283 87
	\$6,819 95	\$3,879 01	\$10,698 96

¹ This table includes the fifth assessment and interest under chapter 529 of the Acts of 1906 and 1907 and the second assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1915:—

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	541,500 00	
	<hr/>	\$7,104,500 00

an increase for the year of \$117,500.

Sinking fund, April 1, 1915, 1,942,937 40

an increase for the year of \$165,728.31.

Net sewerage, north system, debt, April 1, 1915, \$5,161,562 60

a decrease for the year of \$48,228.31.

Assessments, North System.

Sinking fund requirements,		\$99,454 95
Serial bonds,	\$14,000 00	
Less premium,	2,023 75	
	<hr/>	11,976 25

Interest:—

One year on \$7,046,000,	\$221,775 00
Four months on \$14,000,	186 67
Interest on advances and temporary loans, estimated, 1915,	3,000 00

\$224,961 67

Accrued interest, \$2,402 78

Adjustment of interest charges
in 1914, 342 81

2,745 59

222,216 08

Maintenance, as appropriated by Legislature, . . . \$186,000 00

Less balance on hand, 757 31

185,242 69

Total north metropolitan sewerage assessment, \$518,889 97

EVERETT AND MALDEN, SPECIAL ASSESSMENT (CHAPTER 512, ACTS OF 1911).

Bonds issued,	\$62,000 00
Previously assessed,	9,000 00

Outstanding, \$53,000 00

Serial bond due Jan. 1, 1916, \$3,000 00

Interest:—

One year on \$50,000,	\$1,750 00
One year and four months on \$3,000,	140 00

1,890 00

\$4,890 00

Everett and Malden, one-half each.

CITY OF REVERE, SPECIAL ASSESSMENT (CHAPTER 259, ACTS OF 1914).

Bonds issued and outstanding,	\$5,500 00	
Serial bond due Jan. 1, 1916,	500 00	
Less premium,	89 05	
	<hr/>	\$410 95
Interest:—		
One year on \$5,000,	\$200 00	
One year and four months on \$500,	26 66	
	<hr/>	\$226 66
Less accrued interest,	105 72	
	<hr/>	120 94
		<hr/>
		\$531 89

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1915:—	
Bonds outstanding (sinking fund),	\$8,877,912 00

showing no change for the past year.

Sinking fund, April 1, 1915,	1,100,601 52
--	--------------

an increase for the year of \$96,405.85.

Net sewerage, south system, debt, April 1, 1915,	\$7,777,310 48
--	----------------

a decrease for the year of \$96,405.85.

Assessments, South System.

Sinking fund requirements,	\$64,833 80
One year's interest on \$8,877,912,	\$298,777 36
Interest on advances and temporary loans esti- mated, 1915,	4,000 00
Adjustment of interest charges in 1914,	233 34
	<hr/>
	303,010 70
Maintenance, as appropriated by Legislature,	\$117,855 00
Less balance on hand,	2,772 69
	<hr/>
	115,082 31
	<hr/>
Total south metropolitan sewerage assessment,	\$482,926 81

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington, . . .	\$3,152 72	\$379 65	\$7,044 25	\$3,964 19	\$14,540 81
Belmont, . . .	1,869 75	225 15	4,177 66	1,963 57	8,236 13
Boston, . . .	15,296 17	1,841 95	34,176 83	35,362 83	86,677 78
Cambridge, . . .	22,526 55	2,712 62	50,331 94	37,104 11	112,675 22
Chelsea, . . .	5,201 50	626 36	11,621 90	11,485 05	28,934 81
Everett, . . .	5,678 88	683 84	12,688 54	11,855 53	30,906 79
Lexington, . . .	1,004 49	120 96	2,244 38	1,407 84	4,777 67
Malden, . . .	8,045 91	968 88	17,977 28	15,708 58	42,700 65
Medford, . . .	5,221 38	628 75	11,666 35	8,187 73	25,704 21
Melrose, . . .	3,470 98	417 97	7,755 34	5,557 28	17,201 57
Revere, . . .	3,610 21	434 74	8,066 44	6,446 45	18,557 84
Somerville, . . .	12,919 20	1,555 72	28,865 87	27,341 82	70,682 61
Stoneham, . . .	974 66	117 37	2,177 72	2,500 78	5,770 53
Wakefield, . . .	2,038 83	245 51	4,555 43	4,038 29	10,878 06
Winchester, . . .	3,132 83	377 25	6,999 81	3,297 32	13,807 21
Winthrop, . . .	3,043 32	366 47	6,799 81	3,593 71	13,803 31
Woburn, . . .	2,267 57	273 06	5,066 53	5,427 61	13,034 77
	\$90,454 95	\$11,976 25	\$222,216 08	\$185,242 69	\$518,889 97 ¹

¹ Exclusive of \$5,421.89, special assessments on Everett, Malden and Revere, which are included on page 4.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1914.	Amount of Dec. 1, 1914, Sinking Fund at Maturity of Loan, Accumulations at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1915.
\$5,330,000 (2,442,917)	Jan., 1930 Sunk.	\$1,744,797 03	\$3,160,458 29	\$4,612,458 71	\$153,748 62	\$88,309 30
465,000 (195,625)	Jan., 1930 Sunk.	135,011 11	244,553 94	416,071 06	13,869 04	7,966 02
250,000 (39,583)	July, 1943 Sunk.	17,930 51	55,437 35	234,145 65	3,902 43	1,313 18
50,000 (7,917)	Jan., 1943 Sunk.	3,624 68	10,987 00	46,930 00	782 17	268 47
55,000 (8,708)	July, 1943 Sunk.	5,804 08	17,944 99	45,763 01	762 72	256 66
300,000 (22,500)	Jan., 1949 Sunk.	12,116 21	46,577 75	275,922 25	3,449 03	933 44
113,000 (7,847)	Jan., 1949 Sunk.	3,208 68	12,334 97	108,512 03	1,507 11	407 88
\$6,563,000 (2,725,097)	- Sunk.	\$1,922,492 30	\$3,548,294 29	\$5,739,802 71	\$178,021 12	\$99,454 95

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1915.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{5}{30}$	$\frac{5}{30} + \frac{3}{8}$	$\frac{1}{30}$
265,000	1930	$\frac{70}{240} + \frac{5}{30}$	$\frac{5}{30} + \frac{3}{8}$	$\frac{1}{30}$
200,000	1930	$\frac{49}{240} + \frac{5}{30}$	$\frac{5}{30} + \frac{111}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{2}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{2}{60}$	$\frac{8}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
300,000	1949	$\frac{6}{80}$	$\frac{4}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{3}{80}$
113,000	1949	$\frac{5}{72}$	$\frac{4}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{72}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1913 and the Census Returns of 1910. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, Acts 1913, Chapter 607.	Proportion for Interest and Sinking Funds (Per Cent.).	Population United States Census 1910.	Proportion for Maintenance and Operation (Per Cent.).
Arlington,	\$18,168,452	3.17	11,187	2.14
Belmont,	10,789,904	1.88	5,542	1.06
Boston: —				
Charlestown, }				
East Boston, }	88,218,700	15.38	99,932	19.09
Cambridge,	129,881,058	22.65	104,839	20.03
Chelsea,	30,004,278	5.23	32,452	6.20
Everett,	32,751,652	5.71	33,484	6.40
Lexington,	5,788,900 ¹	1.01	4,000 ²	0.76
Malden,	46,389,388	8.09	44,404	8.48
Medford,	30,102,933	5.25	23,150	4.42
Melrose,	20,046,268	3.49	15,715	3.00
Revere,	20,838,470	3.63	18,219	3.48
Somerville,	74,496,160	12.99	77,236	14.76
Stoneham,	5,599,552	0.98	7,090	1.35
Wakefield,	11,759,792	2.05	11,404	2.18
Winchester,	18,041,359	3.15	9,309	1.78
Winthrop,	17,553,306	3.06	10,132	1.94
Woburn,	13,052,791	2.28	15,308	2.93
	\$573,482,963	100.00	523,403	100.00

¹ 56.57 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Interest.	Maintenance.	Total Assessment.
Boston, . . .	\$28,332 37	\$132,415 68	\$62,938 52	\$223,686 57
Brookline, . . .	14,697 82	68,692 53	9,160 55	92,550 90
Dedham, . . .	1,419 86	6,635 93	3,061 19	11,116 98
Milton, . . .	3,442 68	16,089 87	2,612 37	22,144 92
Newton, . . .	8,480 26	39,633 80	13,119 38	61,233 44
Quincy, . . .	3,462 13	16,180 77	10,760 20	30,403 10
Waltham, . . .	3,092 57	14,453 61	9,183 57	26,729 75
Watertown, . . .	1,906 11	8,908 51	4,246 53	15,061 15
	\$64,833 80	\$303,010 70	\$115,082 31	\$482,926 81

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1914.	Amount of Dec. 1, 1914, Sinking Fund at Ma- turity of Loan, Accu- mulations at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1915.
\$800,000 (366,667)	Jan., 1930 Sunk.	\$259,621 49	\$470,268 39	\$696,398 61	\$23,213 29	\$13,333 12
839,000 (244,708)	Mar., 1935 Sunk.	150,437 53	332,172 03	751,535 97	25,051 20	11,803 80
65,000 (17,875)	Mar., 1936 Sunk.	10,549 19	24,234 07	58,640 93	977 35	442 63
1,024,912 (230,605)	July, 1939 Sunk.	121,699 06	321,140 91	934,376 09	15,572 93	6,139 91
3,586,000 (747,083)	July, 1940 Sunk.	375,462 32	1,030,801 67	3,302,281 33	55,038 02	20,857 12
996,000 (157,700)	Jan., 1943 Sunk.	72,006 85	218,264 66	935,435 34	15,590 59	5,351 23
392,000 (55,533)	July, 1944 Sunk.	23,558 57	75,780 77	371,752 23	6,195 87	2,003 98
175,000 (19,444)	Jan., 1946 Sunk.	14,491 84	49,469 12	144,974 88	2,013 54	613 69
1,000,000 (109,375)	Jan., 1946 Sunk.	61,193 29	208,888 46	900,486 54	14,070 10	4,288 32
\$8,877,912 (1,948,990)	- Sunk.	\$1,089,020 14	\$2,731,020 08	\$8,095,881 92	\$157,722 89	\$64,833 80

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1915.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{5}{30}$	$\frac{5}{30} + \frac{3}{8}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{10}{60}$	$\frac{1}{3} + \frac{3}{8}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{9}{60}$	$\frac{1}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
1,024,912	1939	$\frac{1}{8} + \frac{6}{60}$	$\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
3,586,000	1940	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
996,000	1943	$\frac{1}{8} + \frac{2}{60}$	$\frac{8}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
175,000	1946	$\frac{8}{72}$	$\frac{1}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{7}{72}$
1,000,000	1946	$\frac{7}{64}$	$\frac{1}{64} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{64}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1913 and the Census Returns of 1910. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, Acts 1913, Chapter 607.	Proportion for Interest and Sinking Funds (Per Cent.).	Population United States Census 1910.	Proportion for Maintenance and Operation (Per Cent.).
Waltham,	\$33,292,633	4.77	27,834	7.98
Watertown,	20,541,610	2.94	12,875	3.69
Newton,	91,317,225	13.08	39,806	11.40
Boston,	305,170,800	43.70	190,938	54.69
Brighton District, . .	\$45,928,000	—	26,575	—
Back Bay District, . .	75,385,100	—	18,048	—
Roxbury District, . .	52,353,600	—	45,957	—
West Roxbury District, .	47,404,500	—	28,608	—
Dorchester District, .	65,858,000	—	56,243	—
Hyde Park District, .	18,241,600	—	15,507	—
Brookline,	158,297,618	22.67	27,792	7.96
Dedham,	15,325,221 ¹	2.19	9,284	2.66
Milton,	37,069,363	5.31	7,924	2.27
Quincy,	37,250,883	5.34	32,642	9.35
	\$698,265,353	100.00	349,095	100.00

¹ 96.84 per cent. of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1914 and 1915.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1914.	1915.	1914.	1915.
Arlington, . . .	\$10,395 41	\$10,495 61	\$14,611 90	\$14,540 81
Belmont, . . .	6,186 91	6,231 58	8,227 20	8,236 13
Boston, . . .	672,821 42	686,559 79	304,371 90	310,364 35
Braintree, . . .	2,122 37	2,176 30	—	—
Brookline, . . .	53,151 09	54,264 10	90,022 00	92,550 90
Cambridge, . . .	67,709 11	68,837 32	114,341 14	112,675 22
Canton, . . .	1,511 64	1,550 00	—	—
Chelsea, . . .	15,481 73	15,800 17	29,704 27	28,934 81
Cohasset, . . .	197 12	226 42	—	—
Dedham, . . .	6,968 84	7,107 72	10,700 14	11,116 98
Dover, . . .	1,882 16	1,929 99	—	—
Everett, . . .	17,882 01	18,276 40	34,154 23	33,351 79
Hingham, . . .	2,274 51	2,332 24	—	—
Hull, . . .	1,832 18	1,878 83	—	—
Hyde Park, . . .	9,212 67	9,414 01	— ¹	— ¹
Lexington, . . .	—	—	4,819 43	4,777 67
Lynn, . . .	40,445 51	41,211 07	—	—
Malden, . . .	26,939 34	29,521 59	46,117 09	45,145 65
Medford, . . .	21,601 11	24,901 55	26,035 94	25,704 21
Melrose, . . .	10,558 39	10,796 50	17,437 18	17,201 57
Milton, . . .	20,391 28	20,936 61	21,515 56	22,144 92
Nahant, . . .	6,673 15	6,894 97	—	—
Needham, . . .	3,103 19	3,163 98	—	—
Newton, . . .	38,278 40	39,055 33	59,153 23	61,233 44
Quincy, . . .	23,998 29	24,606 75	29,125 39	30,403 10
Reading, . . .	51 84	196 53	—	—
Revere, . . .	14,363 51	14,750 39	18,890 77	19,089 73
Saugus, . . .	3,260 60	3,321 03	—	—
Somerville, . . .	39,213 54	41,722 21	72,437 60	70,682 61
Stoneham, . . .	3,182 46	3,746 71	5,960 69	5,770 53
Swampscott, . . .	5,399 71	5,508 61	—	—
Wakefield, . . .	5,225 59	5,324 22	11,118 54	10,878 06
Waltham, . . .	14,864 02	15,150 31	25,622 38	26,729 75
Watertown, . . .	7,838 93	7,992 14	14,490 71	15,061 15
Wellesley, . . .	7,044 98	7,190 37	—	—
Weston, . . .	3,926 74	4,008 87	—	—
Westwood, . . .	900 91	923 76	—	—
Weymouth, . . .	2,723 59	2,792 91	—	—
Winchester, . . .	9,996 65	10,254 88	13,793 19	13,807 21
Winthrop, . . .	6,188 94	6,309 92	13,841 23	13,803 31
Woburn, . . .	6,447 31	6,567 43	13,425 71	13,034 77
	\$1,192,247 15	\$1,223,929 12	\$999,917 42	\$1,007,238 67

¹ Included in Boston.

STATEMENT IV.

CHARLES RIVER BASIN.

Gross Charles River Basin debt, April 1, 1915: —

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	307,000 00	
	<hr/>	\$4,432,000 00

a decrease for the year of \$9,000.

Sinking fund, April 1, 1915,	755,644 41
--	------------

an increase for the year of \$65,133.50.

Net Charles River Basin debt, April 1, 1915,	<hr/> \$3,676,355 59
--	----------------------

a decrease for the year of \$74,133.50.

TOTAL CHARLES RIVER BASIN LOAN — ASSESSMENT FOR 1915.

District.

Serial bonds,		\$9,000 00	
Interest: —			
One year on \$4,432,000,	\$153,190 00		
Six months on \$9,000,	160 00		
	<hr/>	\$153,350 00	
Less interest on bridge,	\$41,381 82		
Adjustment of interest charges in 1914,	343 91		
	<hr/>	41,725 73	
		<hr/>	111,624 27
Maintenance, as appropriated by Legislature,	\$131,010 00		
Less balance on hand,	17,292 65		
	<hr/>		113,717 35
		<hr/>	
Total Charles River Basin district assessment,			\$234,341 62

Charles River Bridge.

Sinking fund,	\$8,836 94
Interest,	41,381 82
	<hr/>
	\$50,218 76

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1914.	Amount of- Dec. 1, 1914, Sinking Fund at Ma- turity of Loan, Accu- mulations at 4 Per Cent.	Balance.	Sinking Fund Require- ments for 1915.
\$177,272 73	Jan., 1944	\$157,788 03	\$497,604 16	-	-
283,636 36	Jan., 1945	270,657 69	888,036 20	-	-
425,454 55	Jan., 1946	262,121 24	894,772 97	-	-
\$15,454 55	Jan., 1947	338,014 85	1,200,457 43	-	-
283,636 36	Jan., 1948	82,787 39	305,897 21	-	-
602,727 28	Jan., 1949	104,204 44	400,587 96	-	-
336,818 17	Jan., 1950	13,418 38	53,667 60	-	-
\$2,925,000 00	-	\$1,228,992 02 ¹	\$4,241,023 53	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$19,027 36	\$60,205 16	\$12,522 11	\$234 90
116,363 64	Jan., 1945	31,924 57	105,094 65	11,268 99	199 59
174,545 45	Jan., 1946	33,824 17	115,846 53	58,698 92	982 54
334,545 45	Jan., 1947	48,433 72	172,585 40	161,960 05	2,564 45
116,363 64	Jan., 1948	13,279 04	49,229 25	67,134 39	1,006 40
247,272 72	Jan., 1949	20,845 13	80,401 01	166,871 71	2,370 26
138,181 83	Jan., 1950	7,073 66	28,385 82	109,796 01	1,478 80
\$1,200,000 00	-	\$174,407 65	\$611,747 82	\$588,252 18	\$8,836 94

¹ Includes \$657,470.51, balance of cost of embankment due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportions to be paid annually as found by Commissioners, 1910-1915.

CITIES AND TOWNS.	For Interest and Sinking Fund Requirements.	For Maintenance Requirements.
Arlington, . . . . .	.00462	.00517
Belmont, . . . . .	.00263	.00294
Boston, . . . . .	.60021	.60987
Braintree, . . . . .	.00248	.00278
Brookline, . . . . .	.04545	.05087
Cambridge, . . . . .	.09501	.04897
Canton, . . . . .	.00177	.00198
Chelsea, . . . . .	.00977	.01094
Dedham, . . . . .	.00547	.00612
Dover, . . . . .	.00220	.00246
Everett, . . . . .	.01048	.01173
Hingham, . . . . .	.00266	.00298
Hull, . . . . .	.00215	.00241
Hyde Park, . . . . .	.00577	.00646
Lynn, . . . . .	.02841	.03180
Malden, . . . . .	.01726	.01932
Medford, . . . . .	.00930	.01041
Melrose, . . . . .	.00654	.00732
Milton, . . . . .	.01152	.01289
Nahant, . . . . .	.00310	.00347
Needham, . . . . .	.00236	.00264
Newton, . . . . .	.03099	.03469
Quincy, . . . . .	.01173	.01313
Revere, . . . . .	.00600	.00672
Saugus, . . . . .	.00223	.00250
Somerville, . . . . .	.02508	.02807
Stoneham, . . . . .	.00198	.00222
Swampscott, . . . . .	.00432	.00484
Wakefield, . . . . .	.00371	.00415
Waltham, . . . . .	.01095	.01226
Watertown, . . . . .	.00593	.00664
Wellesley, . . . . .	.00588	.00658
Weston, . . . . .	.00335	.00375
Westwood, . . . . .	.00105	.00118
Weymouth, . . . . .	.00319	.00357
Winchester, . . . . .	.00530	.00593
Winthrop, . . . . .	.00468	.00524
Woburn, . . . . .	.00447	.00500
	1.00000	1.00000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$515 70	\$587 92	\$41 58	\$1,145 20
Belmont, . . .	293 57	334 33	23 67	651 57
Boston, . . .	66,998 00	69,352 80	5,401 89	141,752 69
Braintree, . . .	276 83	316 14	22 32	615 29
Brookline, . . .	5,073 32	5,784 80	409 05	11,267 17
Cambridge, . . .	10,605 42	5,568 74	855 09	17,029 25
Canton, . . .	197 57	225 16	15 93	438 66
Chelsea, . . .	1,090 57	1,244 07	87 93	2,422 57
Dedham, . . .	610 58	695 95	49 23	1,355 76
Dover, . . .	245 57	279 75	19 80	545 12
Everett, . . .	1,169 82	1,333 90	94 32	2,598 04
Hingham, . . .	296 92	338 88	23 94	659 74
Hull, . . .	239 99	274 06	19 35	533 40
Hyde Park, . . .	644 07	734 61	51 93	1,430 61
Lynn, . . .	3,171 25	3,616 21	255 69	7,043 15
Malden, . . .	1,926 63	2,197 02	155 34	4,278 99
Medford, . . .	1,038 11	1,183 80	83 70	2,305 61
Melrose, . . .	730 02	832 41	58 86	1,621 29
Milton, . . .	1,285 91	1,465 82	103 68	2,855 41
Nahant, . . .	346 04	394 60	27 90	768 54
Needham, . . .	263 43	300 21	21 24	584 88
Newton, . . .	3,459 24	3,944 85	278 91	7,683 00
Quincy, . . .	1,309 35	1,493 11	105 57	2,908 03
Revere, . . .	669 74	764 18	54 00	1,487 92
Saugus, . . .	248 92	284 29	20 07	553 28
Somerville, . . .	2,799 54	3,192 05	225 72	6,217 31
Stoneham, . . .	221 02	252 45	17 82	491 29
Swampscott, . . .	482 26	550 39	38 88	1,071 53
Wakefield, . . .	414 13	471 93	33 39	919 45
Waltham, . . .	1,222 29	1,394 17	98 55	2,715 01
Watertown, . . .	661 93	755 08	53 37	1,470 38
Wellesley, . . .	656 35	748 26	52 92	1,457 53
Weston, . . .	373 94	426 44	30 15	830 53
Westwood, . . .	117 20	134 19	9 45	260 84
Weymouth, . . .	356 08	405 97	28 71	790 76
Winchester, . . .	591 60	674 34	47 70	1,313 64
Winthrop, . . .	522 40	595 88	42 12	1,160 40
Woburn, . . .	498 96	568 59	40 23	1,107 78
	\$111,624 27	\$113,717 35	\$9,000 00	\$234,341 62 ¹

¹ Exclusive of \$76,554.78, special assessments on Boston and Cambridge, which are included on page 4.

CHARLES RIVER BASIN DEBT ANALYZED.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,432,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,384,363 57
Sinking fund, . . .	763,524 48	89,012 42	89,012 42	192,290 73	393,208 91
Net debt, . . .	\$3,668,475 52	\$510,987 58	\$510,987 58	\$655,345 70	\$1,991,154 66

STATEMENT OF THE DEBTS OF THE METRO

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund),		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial),		141,250 00		—		383,062 50	
Gross debt,		\$8,926,250 00		\$700,000 00		\$2,950,562 50	
Sinking funds, July 1, 1915,		2,752,453 39		212,205 62		759,050 40	
Net debt,		\$6,173,796 61		\$487,794 38		\$2,191,512 10 2,174,262 10 ²	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00564	\$34,820 21	.00515	\$2,512 14	.01057	\$22,981 95
2	Belmont, . . . . .	.00312	\$19,262 25	.00293	1,429 24	.00594	12,915 12
3	Boston, . . . . .	.59453	3,670,507 30	.60768	296,422 89	.46943	1,020,663 86
4	Braintree, . . . . .	.00167	10,310 24	.00277	1,351 19	.00208	4,522 47
5	Brookline, . . . . .	.04653	287,266 76	.05068	24,721 42	.03815	82,948 10
6	Cambridge, . . . . .	.05328	328,939 88	.04879	23,799 49	.05317	115,605 52
7	Canton, . . . . .	.00119	7,346 82	.00197	960 95	.00148	3,217 91
8	Chelsea, . . . . .	.01289	79,580 24	.01090	5,316 96	.01463	31,809 45
9	Cohasset,	—	—	.00360	1,756 06	—	—
10	Dedham, . . . . .	.00624	38,524 49	.00609	2,970 67	.00459	9,979 86
11	Dover, . . . . .	.00148	9,137 22	.00245	1,195 10	.00185	4,022 38
12	Everett, . . . . .	.01368	84,457 54	.01169	5,702 32	.02184	47,485 88
13	Fingham, . . . . .	.00179	11,051 10	.00296	1,443 87	.00223	4,848 60
14	Hull, . . . . .	.00144	8,890 27	.00240	1,170 71	.00180	3,913 67
15	Hyde Park, . . . . .	.00721	44,513 07	.00643	3,136 51	.01052	22,873 24
16	Lexington,	—	—	—	—	—	—
17	Lynn, . . . . .	.03691	227,874 83	.03168	15,453 33	.02480	53,921 70
18	Malden, . . . . .	.02135	131,810 56	.01925	9,390 01	.02644	57,487 49
19	Medford, . . . . .	.01142	70,504 76	.01038	5,063 31	.04294	93,362 81
20	Melrose, . . . . .	.00797	49,205 16	.00730	3,560 90	.01322	28,743 74
21	Milton, . . . . .	.01188	73,344 70	.01284	6,263 28	.03957	86,035 55
22	Nahant, . . . . .	.00208	12,841 50	.00345	1,682 89	.02020	43,920 10
23	Needham, . . . . .	.00280	17,286 63	.00263	1,282 90	.00198	4,305 04
24	Newton, . . . . .	.03400	209,909 08	.03457	16,863 05	.02602	56,574 30
25	Quincy, . . . . .	.01478	91,248 71	.01309	6,385 23	.04393	95,515 33
26	Revere, . . . . .	.00773	47,723 45	.00670	3,268 22	.03093	67,249 93
27	Saugus, . . . . .	.00301	18,583 13	.00249	1,214 61	.00188	4,087 61
28	Somerville, . . . . .	.03241	200,092 75	.02797	13,643 61	.02929	63,684 14
29	Stonham, . . . . .	.00267	16,484 04	.00222	1,082 90	.00214	4,652 92
30	Swampscott, . . . . .	.00481	29,695 96	.00482	2,351 17	.00363	7,892 57
31	Wakefield, . . . . .	.00479	29,572 48	.00414	2,019 47	.00311	6,761 96
32	Waltham, . . . . .	.01351	83,407 99	.01222	5,960 85	.00919	19,981 47
33	Watertown, . . . . .	.00708	43,710 48	.00662	3,229 20	.00498	10,827 83
34	Wellesley, . . . . .	.00621	38,339 28	.00655	3,195 05	.00493	10,719 11
35	Weston, . . . . .	.00344	21,237 86	.00371	1,824 35	.00281	6,109 68
36	Westwood, . . . . .	.00071	4,383 40	.00117	570 72	.00088	1,913 35
37	Weymouth, . . . . .	.00214	13,211 92	.00356	1,736 55	.00268	5,827 02
38	Winchester, . . . . .	.00608	37,536 68	.00591	2,882 86	.01849	40,202 11
39	Winthrop, . . . . .	.00559	34,511 52	.00523	2,551 16	.00393	8,544 85
40	Woburn, . . . . .	.00594	36,672 35	.00498	2,429 21	.00375	8,153 48
		1.00000	\$6,173,796 61	1.00000	\$487,794 38	1.00000	\$2,174,262 10

¹ See preceding page for details.² District proportion. Balance, \$17,250, Boston Elevated Railway Company's proportion.

POLITAN DISTRICT (CHAPTER 526, ACTS OF 1911).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.		TOTALS.	
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
541,500 00		—		1,096,000 00		307,000 00			
\$7,104,500 00		\$8,877,912 00		\$42,494,000 00		\$4,432,000 00			
1,962,349 60		1,111,555 24		11,989,723 82		763,524 48			
\$5,142,150 40		\$7,766,356 76		\$30,504,276 18		\$3,668,475 52 ¹			
5,083,650 40 ³						1,991,154 66 ³			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0317	\$161,151 72	—	—	.008247648	\$251,588 53	.00462	\$9,199 13	\$482,253 68	1
.0188	95,572 63	—	—	.004669581	142,442 19	.00263	5,236 74	276,858 17	2
.1538	781,865 43	.4370	\$3,393,897 90	.769294220	23,466,763 35	.60021	2,361,444 22	34,991,564 95	3
—	—	—	—	—	—	.00248	4,938 06	21,121 96	4
—	—	.2267	1,760,633 08	—	—	.04545	90,497 98	2,246,067 34	5
.2265	1,151,446 82	—	—	—	—	.09501	700,167 19	2,319,958 90	6
—	—	—	—	—	—	.00177	3,524 34	15,050 02	7
.0523	265,874 92	—	—	.022982979	701,079 14	.00977	19,453 58	1,103,114 29	8
—	—	—	—	—	—	—	—	1,756 06	9
—	—	.0219	170,083 21	—	—	.00547	10,891 62	232,449 85	10
—	—	—	—	—	—	.00220	4,380 54	18,735 24	11
.0571	316,776 44	—	—	.022074655	673,371 37	.01048	20,867 30	1,148,660 85	12
—	—	—	—	—	—	.00266	5,296 47	22,640 04	13
—	—	—	—	—	—	.00215	4,280 98	18,255 63	14
—	—	—	—	—	—	.00577	11,488 96	82,011 78	15
.0101	51,344 87	—	—	.003898308	118,915 06	—	—	170,259 93	16
—	—	—	—	—	—	.02841	56,568 70	353,818 56	17
.0809	437,767 32	—	—	.021116050	644,129 82	.01726	34,367 33	1,314,952 56	18
.0525	266,891 65	—	—	.012854611	392,120 60	.00930	18,517 74	846,460 87	19
.0349	177,419 40	—	—	.008927165	272,316 71	.00654	13,022 15	544,268 06	20
—	—	.0531	412,393 54	.007591626	231,577 06	.01152	22,938 10	832,552 23	21
—	—	—	—	.002575599	78,566 78	.00310	6,172 58	143,183 85	22
—	—	—	—	—	—	.00236	4,699 13	27,573 70	23
—	—	.1308	1,015,839 47	.002829934	86,325 09	.03099	61,705 88	1,447,216 87	24
—	—	.0534	414,723 45	.023134429	705,699 01	.01173	23,356 25	1,336,927 98	25
.0363	190,036 51	—	—	.013314293	406,142 87	.00600	11,946 93	726,367 91	26
—	—	—	—	—	—	.00223	4,440 28	28,325 63	27
.1299	660,366 18	—	—	.051185059	1,561,363 18	.02508	49,938 16	2,549,088 02	28
.0098	49,819 77	—	—	.003358548	102,450 08	.00198	3,942 49	178,432 20	29
—	—	—	—	.005479179	167,138 39	.00432	8,601 79	215,679 88	30
.0205	104,214 83	—	—	—	—	.00371	7,387 18	149,955 92	31
—	—	.0477	370,455 22	—	—	.01095	21,803 14	501,608 67	32
—	—	.0294	228,330 89	.009214335	281,076 62	.00593	11,807 55	578,982 57	33
—	—	—	—	—	—	.00588	11,707 99	63,961 43	34
—	—	—	—	—	—	.00335	6,670 37	35,842 26	35
—	—	—	—	—	—	.00105	2,090 71	8,958 18	36
—	—	—	—	—	—	.00319	6,351 78	27,127 27	37
.0315	160,134 98	—	—	—	—	.00530	10,553 12	251,309 75	38
.0306	155,559 70	—	—	.007251781	221,210 33	.00468	9,318 60	431,696 16	39
.0228	115,907 23	—	—	—	—	.00447	8,900 46	172,062 73	40
1.0000	\$5,142,150 40	1.0000	\$7,766,356 76	1.000000000	\$30,504,276 18	1.00000	\$3,668,475 52	\$55,917,111 95	

³ District proportion.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 4 per cent. per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive: —

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	=	1.04040000	\$1 each year for 19 years	=	28.90197165
\$1 in 2 years	=	1.08243216	\$1 in 20 years	=	2.20803964
\$1 each year for 2 years	=	2.12283216	\$1 each year for 20 years	=	31.11001129
\$1 in 3 years	=	1.12616241	\$1 in 21 years	=	2.29724444
\$1 each year for 3 years	=	3.24899457	\$1 each year for 21 years	=	33.40725573
\$1 in 4 years	=	1.17165938	\$1 in 22 years	=	2.39005311
\$1 each year for 4 years	=	4.42065395	\$1 each year for 22 years	=	35.79730884
\$1 in 5 years	=	1.21899441	\$1 in 23 years	=	2.48661126
\$1 each year for 5 years	=	5.63964836	\$1 each year for 23 years	=	38.28392010
\$1 in 6 years	=	1.26824179	\$1 in 24 years	=	2.58707035
\$1 each year for 6 years	=	6.90789015	\$1 each year for 24 years	=	40.87099045
\$1 in 7 years	=	1.31947875	\$1 in 25 years	=	2.69158799
\$1 each year for 7 years	=	8.22736890	\$1 each year for 25 years	=	43.56257844
\$1 in 8 years	=	1.37278570	\$1 in 26 years	=	2.80032815
\$1 each year for 8 years	=	9.60015460	\$1 each year for 26 years	=	46.36290659
\$1 in 9 years	=	1.42824624	\$1 in 27 years	=	2.91346140
\$1 each year for 9 years	=	11.02840084	\$1 each year for 27 years	=	49.27636799
\$1 in 10 years	=	1.48594738	\$1 in 28 years	=	3.03116524
\$1 each year for 10 years	=	12.51434822	\$1 each year for 28 years	=	52.30753323
\$1 in 11 years	=	1.54597966	\$1 in 29 years	=	3.15362432
\$1 each year for 11 years	=	14.06032788	\$1 each year for 29 years	=	55.46115755
\$1 in 12 years	=	1.60843724	\$1 in 30 years	=	3.28103074
\$1 each year for 12 years	=	15.66876512	\$1 each year for 30 years	=	58.74218829
\$1 in 13 years	=	1.67341810	\$1 in 31 years	=	3.41358438
\$1 each year for 13 years	=	17.34218322	\$1 each year for 31 years	=	62.15577267
\$1 in 14 years	=	1.74102419	\$1 in 32 years	=	3.55149318
\$1 each year for 14 years	=	19.08320741	\$1 each year for 32 years	=	65.70726585
\$1 in 15 years	=	1.81136157	\$1 in 33 years	=	3.69497350
\$1 each year for 15 years	=	20.89456898	\$1 each year for 33 years	=	69.40223935
\$1 in 16 years	=	1.88154057	\$1 in 34 years	=	3.84425042
\$1 each year for 16 years	=	22.77910955	\$1 each year for 34 years	=	73.21648977
\$1 in 17 years	=	1.96067601	\$1 in 35 years	=	3.99955813
\$1 each year for 17 years	=	24.73978556	\$1 each year for 35 years	=	77.21601790
\$1 in 18 years	=	2.03988732	\$1 in 36 years	=	4.16114027
\$1 each year for 18 years	=	26.77967288	\$1 each year for 36 years	=	81.40718817
\$1 in 19 years	=	2.12229877			
\$1 each year for 19 years	=	28.90197165			

INDEX.

A.

	PAGE
Alewife Brook,	19

B.

Boston and Cambridge, Charles River Bridge,	27, 28
Boulevards. See "Metropolitan Parks."	

C.

Charles River Basin Loan:—

Division of Assessment into Interest, Serial Bonds and Maintenance Requirements,	30
Charles River Basement Assessment, how made up,	27
Charles River Basin Loan Sinking Fund (Charles River Bridge),	28
Charles River Basin Loan Sinking Fund (District),	28
Charles River Basin Debt Analyzed,	31
Proportion in Percentages to be paid annually,	29
Comparison of 1914 and 1915 Parks and Sewerage Assessments,	26
Comparison of 1914 and 1915 Water Assessments,	8

D.

Debts of the Metropolitan District,	32, 33
---	--------

G.

Gross Charles River Basin Loan Debt, April 1, 1915,	27
Gross Metropolitan Water Debt, April 1, 1915,	5
Gross Metropolitan Parks Debt, April 1, 1915,	9
Gross Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1915,	9
Gross Metropolitan Sewerage (North System) Debt, April 1, 1915,	20
Gross Metropolitan Sewerage (South System) Debt, April 1, 1915,	21

M.

Metropolitan Districts, Total Assessment of,	4
Metropolitan Parks:—	
Assessment, how made up,	9
Proportion in Percentages to be paid annually,	12
Sinking Fund, Parks,	13
Sinking Fund, Boulevard (Series 2),	13
Sinking Fund, Nantasket,	13
Division of Assessment into Sinking Fund, Interest, Cost of Maintenance Requirements and Serial Bonds,	11

Metropolitan Parks — <i>Concluded.</i>	PAGE
Proportion of Parks, Boulevard and Nantasket Sinking Fund and Total Sinking Fund,	14
Proportion of Parks, Boulevard and Nantasket Interest and Total Interest,	15
Proportion of Parks, Boulevard and Nantasket Maintenance and Total Maintenance,	16
Proportion of Parks and Boulevard Serial Bonds and Total Serial Bonds,	17
Metropolitan Parks and Sewerage Loans, Comparison of 1914 and 1915 Assessments,	26
Metropolitan Sewerage Loan, North System: —	
Amounts provided for and to be provided for,	23
Assessments, how made up,	20
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Cost of Maintenance Requirements,	22
Proportion in Percentages to be paid annually,	23
Sinking Fund,	22
Metropolitan Sewerage Loan, South System: —	
Amounts provided for and to be provided for,	25
Assessments, how made up,	21
Division of Assessment into Sinking Fund, Interest and Cost of Maintenance Requirements,	24
Proportion in Percentages to be paid annually,	25
Sinking Fund,	24
Metropolitan Water Loan: —	
Assessment, how made up,	5
Comparison of Total, 1914 and 1915 Assessment,	8
Computation for determining Assessment,	6
Division of Assessment into Sinking Fund, Interest, Cost of Maintenance and Serial Bonds,	7
Sinking Fund,	6

N.

Nantasket. See "Metropolitan Parks."

Net Charles River Basin Loan Debt, April 1, 1915,	27
Net Metropolitan Sewerage (South System) Debt, April 1, 1915,	21
Net Metropolitan Sewerage (North System) Debt, April 1, 1915,	20
Net Metropolitan Parks, Series 2, Debt, April 1, 1915,	9
Net Water Debt of Cities in Original Metropolitan District, Jan. 1, 1915,	8
Net Metropolitan Water Debt, April 1, 1915,	5
Net Metropolitan Parks Debt, April 1, 1915,	9

O.

Outlet for Sewage of Malden and Everett,	20
Outlet for Sewage of Revere,	21

P.

Parks. See "Metropolitan Parks."

R.

Revenue from Water received by Cities and Towns, 1914,	8
--	---

S.

	PAGE
Sewerage Loan. See "Metropolitan Sewerage Loan."	
Sinking Fund Table,	34

T.

Total Assessments of Metropolitan Districts,	4
--	---

W.

Water Debt, Net, of Cities in Original Metropolitan District,	8
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns, 1914,	8
Wellington Bridge:—	
Special Assessment,	18
Water Assessments, 1914 and 1915, Comparison of,	8





The Commonwealth of Massachusetts.

1916

ASSESSMENTS

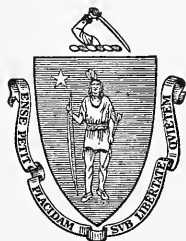
FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
32 DERNE STREET.
1916.

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 1, 1916.

Under the provisions of chapter 526 of the Acts of 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1916, to be paid by the cities and towns comprising the metropolitan district, are compiled and printed as a public document and herewith submitted.

Attention is called to chapter 419 of the Acts of 1899, which provides that in the year 1900, and in every fifth year thereafter, the Supreme Judicial Court in equity shall appoint three commissioners to determine the proportions to be paid by the cities and towns. A commission was appointed in accordance with said act to determine the payments to be made during the five years beginning Jan. 1, 1915, but did not report in time to levy the 1915 assessment on the new basis; hence the adjustment of same was made this year as provided by chapter 457 of the Acts of 1905.

There have been issued during the year 1916, on account of the metropolitan district, bonds to the amount of \$1,265,000, bearing interest at the rate of 4 per cent. and divided as follows:—

Charles River Basin Loan.

\$35,000. Chapter 188, General Acts of 1915, an act to provide for completing the improvements on the southerly bank of the Charles River and the construction of a driveway connection between Brooks Street in Brighton and Charlesbank Road in Newton. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.

Metropolitan Parks Loan.

\$4,000. Chapter 93, Resolves of 1915, providing for the further protection of the public health in the valley of the Neponset River. Bonds to the amount of \$101,500 have been issued to date for this purpose. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.

- \$50,000. Chapter 4, General Acts of 1915, an act to authorize the Metropolitan Park Commission to provide immediate work on the parks and reservations under its care and control. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.
- \$50,000. Chapter 368, Special Acts of 1915, an act to authorize the reconstruction of a bridge over the Charles River between the city of Newton and the town of Weston. The annual serial bonds and interest requirements shall be assessed upon and paid by the following parties: 50 per cent. by the cities and towns of the metropolitan district; 25 per cent. by the city of Newton; 10 per cent. by the town of Weston; and 15 per cent. by the county of Middlesex.
- Metropolitan Parks Loan, Series Two (Parkways and Boulevards).*
- \$200,000. Chapter 699, Acts of 1912, an act to provide for the purchase of land and construction of certain parkways and boulevards by the Metropolitan Park Commission; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth. Bonds to the amount of \$800,000 have been issued to date under the above act.
- \$50,000. Chapter 5, General Acts of 1915, an act to authorize the Metropolitan Park Commission to provide immediate work on the parkways and boulevards under its care and control; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth.
- \$35,000. Chapter 243, General Acts of 1915, an act relative to the construction and extension of the Alewife Brook Parkway; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth.
- \$350,000. Chapter 300, General Acts of 1915, an act to authorize the construction of a new bridge over the Neponset River between the cities of Boston and Quincy. The annual serial bonds and interest requirements shall be assessed and paid as follows: 20 per cent. by the city of Boston; 15 per cent. by the city of Quincy; 5 per cent. by the county of Norfolk; $2\frac{1}{2}$ per cent. by the county of Plymouth; 15 per cent. by the Bay State Street Railway Company or such other street railway company as shall have a location on said bridge; $21\frac{1}{4}$ per cent. by the cities and towns of the metropolitan district; and $21\frac{1}{4}$ per cent. by the Commonwealth.

Metropolitan Sewerage Loan, North System.

- \$70,000. Chapter 215, General Acts of 1915, an act accepting certain conditions relative to the improvement of Malden River. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, north system.

Metropolitan Sewerage Loan, South System.

- \$5,000. Chapter 210, General Acts of 1915, an act to provide for an additional outlet at Nut Island, Quincy. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, south system.
- \$350,000. Chapter 343, Acts of 1914, an act to include the town of Wellesley within the south metropolitan sewerage district. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, south system. Under this act the town of Wellesley shall pay its proportionate part of the interest, sinking fund requirements and costs specified in chapter 424, Acts of 1899, and acts in amendment thereof and in addition thereto. The town of Wellesley shall also pay a special sinking fund assessment to be determined in accordance with the provisions of said chapter 343, Acts of 1914.

Metropolitan Water Loan.

- \$66,000. Chapter 601, Acts of 1914, an act to authorize the Metropolitan Water and Sewerage Board to make certain improvements in the metropolitan water system. Bonds to the amount of \$254,000 have been issued to date for this purpose. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan water district.

CHARLES L. BURRILL,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1916.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington, . . .	\$18,118 96	\$11,645 87	\$14,903 84N	\$1,985 89	\$46,654 56
Belmont, . . .	10,143 81	7,250 67	9,705 02N	1,206 76	28,306 26
Boston, . . .	1,669,432 79	700,788 29	{ 77,649 17N 220,679 98S }	202,981 78	2,871,532 01
Braintree, . . .	-	6,646 18	-	870 41	7,516 59
Brookline, . . .	-	63,500 45	95,105 55S	16,002 85	174,608 85
Cambridge, . . .	-	63,833 41	109,283 75N	31,101 23	204,218 39
Canton, . . .	-	4,823 74	-	727 63	5,551 37
Chelsea, . . .	52,114 06	18,423 30	29,394 67N	2,745 92	102,677 95
Cohasset, . . .	-	336 85	-	-	336 85
Dedham, . . .	-	7,127 26	11,116 91S	1,368 82	19,612 99
Dover, . . .	-	3,435 33	-	742 15	4,177 48
Everett, . . .	48,779 28	15,976 04	30,979 24N	3,044 69	98,779 25
Hingham, . . .	-	5,804 35	-	955 65	6,790 00
Hull, . . .	-	4,457 36	-	594 22	5,351 58
Lexington, . . .	8,693 76	-	5,194 42N	-	13,893 18
Lynn, . . .	-	51,063 57	-	8,636 52	59,700 09
Malden, . . .	47,323 31	24,081 46	40,973 63N	3,715 70	116,094 10
Medford, . . .	28,997 29	13,317 65	26,427 50N	2,877 40	71,619 84
Melrose, . . .	18,936 29	8,183 80	16,153 54N	1,834 04	45,107 67
Milton, . . .	16,874 40	6,899 79	20,839 61S	3,532 60	48,146 40
Nahant, . . .	5,324 75	3,980 09	-	1,888 29	11,193 13
Needham, . . .	-	4,858 75	-	925 02	5,783 77
Newton, . . .	6,183 51	37,844 88	59,050 56S	8,049 88	111,128 83
Quincy, . . .	51,468 91	15,726 39	32,951 65S	3,509 01	103,655 96
Reading, . . .	-	-169 73 ¹	-	-	-169 73 ¹
Revere, . . .	29,548 74	7,415 61	20,510 81N	2,102 91	59,578 07
Saugus, . . .	-	4,495 65	-	603 33	5,098 98
Somerville, . . .	110,468 29	44,601 79	67,511 00N	6,616 78	229,197 86
Stoneham, . . .	7,506 52	3,716 80	5,486 60N	471 75	17,181 67
Swampscott, . . .	11,937 62	8,957 41	-	2,016 01	22,911 04
Wakefield, . . .	-	6,741 68	10,720 06N	1,108 27	18,570 01
Waltham, . . .	-	17,037 41	24,241 78S	3,019 68	44,298 87
Watertown, . . .	21,708 75	11,194 58	15,727 66S	2,067 21	50,698 20
Wellesley, . . .	-	8,602 87	17,545 48S	2,041 36	28,189 71
Weston, . . .	-	5,129 93	-	1,172 98	6,302 91
Westwood, . . .	-	2,770 89	-	561 86	3,332 75
Weymouth, . . .	-	9,036 49	-	1,082 10	10,118 59
Winchester, . . .	-	5,149 50	13,892 98N	1,793 26	20,835 74
Winthrop, . . .	16,026 55	9,646 95	12,998 10N	1,864 22	40,535 82
Woburn, . . .	-	7,527 81	13,112 39N	1,142 54	21,782 74
	\$2,179,592 59	\$1,231,861 12 ²	\$1,002,155 90 ³	\$327,290 72 ⁴	\$4,740,900 33

N, North System.

S, South System.

¹ Refund.² Includes \$28,844.51, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.³ Includes \$11,255.25, special assessments on Everett and Malden, Revere, and Wellesley.⁴ Includes \$51,515.88 special assessments on Boston and Cambridge, and \$26,176.46, embankment interest on Boston.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1916.

Gross water debt, April 1, 1916: —

Bonds outstanding (sinking fund), . . .	\$41,398,000 00	
Bonds outstanding (serial), . . .	1,132,000 00	
	<hr/>	\$42,530,000 00

an increase for the year of \$36,000.

Sinking fund, April 1, 1916,	12,651,924 66	
	<hr/>	

an increase for the year of \$793,986.15.

Net water debt, April 1, 1916,	\$29,878,075 34	
--	-----------------	--

a decrease for the year of \$757,986.15.

Total Water Assessment for 1916.

Sinking fund requirements,		\$261,423 18
Serial bonds,	\$32,000 00	
Less premium,	2,096 16	
	<hr/>	29,903 84

Interest: —

One year on \$41,398,000,	\$1,393,435 00	
Six months on \$1,096,000,	21,032 50	
Six months on \$1,132,000,	21,777 50	
Interest on advances and temporary loans, estimated, 1916,	30,000 00	
	<hr/>	\$1,466,245 00

Less accrued interest, \$366 67

Adjustment of interest charges

in 1915, 4,658 92

5,025 59

1,461,219 41

Maintenance as appropriated by Legislature, . . . \$480,850 00

Less balance on hand, 53,803 84

427,046 16

Total water assessment for 1916, \$2,179,592 59

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1915.	Amount of Dec. 1, 1915, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1916.
\$13,000,000	July, 1935	\$5,234,434 54	\$11,331,214 66	\$1,668,785 34	\$60,072 17
4,000,000	Jan., 1938	1,367,484 01	3,268,359 41	731,640 59	21,264 14
4,000,000	July, 1939	1,190,432 97	3,019,346 91	980,653 09	26,650 13
10,000,000	Jan., 1941	2,567,364 51	6,910,287 48	3,089,712 52	73,791 25
3,500,000	Jan., 1942	847,087 51	2,372,123 00	1,127,877 00	25,309 96
2,000,000	Jan., 1943	430,480 03	1,254,186 95	745,813 05	15,746 78
2,000,000	Jan., 1944	392,076 08	1,188,447 39	811,552 61	16,141 83
650,000	Jan., 1945	148,715 47	468,992 72	181,007 28	3,395 53
1,350,000	Jan., 1946	225,872 20	741,093 63	608,906 37	10,784 52
398,000	Jan., 1949	44,126 71	163,047 02	234,952 98	3,522 15
500,000	Jan., 1950	43,171 22	165,960 98	334,039 02	4,744 72
\$41,398,000	-	\$12,491,245 25	\$30,883,060 15	\$10,514,939 85	\$261,423 18

Computations for determining the Assessment for 1916. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1915.	Average Daily Con- sumption (Gallons), 1915.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington,	\$17,771,213	825,300	.008,747	.008,096	.008,313
Belmont,	11,409,543	425,400	.005,616	.004,173	.004,654
Boston,	1,573,164,500	77,651,800	.774,356	.761,729	.765,938
Chelsea,	30,084,560	2,901,400	.014,808	.028,461	.023,910
Everett,	32,805,950	2,599,100	.016,148	.025,496	.022,380
Lexington,	10,028,177	358,700	.004,936	.003,519	.003,991
Malden,	42,925,091	2,243,000	.021,129	.022,003	.021,712
Medford,	31,449,950	1,245,200	.015,481	.012,215	.013,304
Melrose,	19,002,880	851,500	.009,354	.008,353	.008,688
Milton,	33,681,817	338,900	.016,579	.003,324	.007,742
Nahant,	8,439,491	161,900	.004,154	.001,588	.002,443
Newton, ¹	17,290,332	-	.008,511	-	.002,837
Quincy,	43,803,965	2,511,800	.021,562	.024,640	.023,614
Revere,	23,444,600	1,484,800	.011,540	.014,565	.013,557
Somerville,	77,444,399	5,807,100	.038,120	.056,965	.050,683
Stonham,	6,095,860	373,700	.003,001	.003,666	.003,444
Swampscott,	15,989,509	436,400	.007,870	.004,281	.005,477
Watertown,	19,839,700	1,025,200	.009,766	.010,057	.009,960
Winthrop,	16,900,450	700,300	.008,322	.006,869	.007,353
	\$2,031,577,987	101,941,500	1.000,000	1.000,000	1.000,000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1916.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$12,147 12	\$2,173 21	\$3,550 04	\$248 59	\$18,118 96
Belmont, . . .	6,800 51	1,216 66	1,987 47	139 17	10,143 81
Boston, . . .	1,119,203 47	200,233 95	327,090 88	22,904 49	1,669,432 79
Chelsea, . . .	34,937 76	6,250 63	10,210 67	715 00	52,114 06
Everett, . . .	32,702 09	5,850 65	9,557 29	669 25	48,779 28
Lexington, . . .	5,831 73	1,043 34	1,704 34	119 35	8,698 76
Malden, . . .	31,725 99	5,676 02	9,272 03	649 27	47,323 31
Medford, . . .	19,440 06	3,477 97	5,681 42	397 84	28,997 29
Melrose, . . .	12,695 07	2,271 24	3,710 18	259 80	18,936 29
Milton, . . .	11,312 76	2,023 94	3,306 19	231 51	16,874 40
Nahant, . . .	3,569 76	638 66	1,043 27	73 06	5,324 75
Newton, . . .	4,145 48	741 66	1,211 53	84 84	6,183 51
Quincy, . . .	34,505 24	6,173 25	10,084 27	706 15	51,468 91
Revere, . . .	19,809 75	3,544 11	5,789 47	405 41	29,548 74
Somerville, . . .	74,058 98	13,249 71	21,643 98	1,515 62	110,468 29
Stoneham, . . .	5,032 44	900 34	1,470 75	102 99	7,506 52
Swampscott, . . .	8,003 10	1,431 81	2,338 93	163 78	11,937 62
Watertown, . . .	14,553 75	2,603 78	4,253 38	297 84	21,708 75
Winthrop, . . .	10,744 35	1,922 25	3,140 07	219 88	16,026 55
	\$1,461,219 41	\$261,423 18	\$427,046 16	\$29,903 84	\$2,179,592 59

Comparison of Total Assessments, 1915 and 1916, with Revenue from Water Rates in 1915.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1915.
	1915.	1916.	
Arlington,	\$17,850 63	\$18,118 96	\$61,508 63
Belmont,	10,106 51	10,143 81	29,153 25 ¹
Boston,	1,665,006 20	1,669,432 79	2,944,685 69 ²
Chelsea,	49,742 74	52,114 06	113,708 30
Everett,	47,776 83	48,779 28	113,269 46 ¹
Lexington,	8,437 21	8,698 76	23,984 21
Malden,	45,702 09	47,323 31	112,384 94 ²
Medford,	27,821 61	28,997 29	78,762 78 ³
Melrose,	19,321 32	18,936 29	48,480 67 ¹
Milton,	16,430 78	16,874 40	55,325 63
Nahant,	5,574 45	5,324 75	12,556 13 ³
Newton,	6,124 92 ⁴	6,183 51 ⁴	— ⁴
Quincy,	50,070 54	51,468 91	156,062 06
Revere,	28,816 53	29,548 74	86,234 81 ¹
Somerville,	110,781 34	110,468 29	236,227 35 ¹
Stoneham,	7,269 00	7,506 52	26,659 35
Swampscott,	11,858 74	11,937 62	44,831 28 ⁵
Watertown,	19,942 86	21,708 75	74,563 39 ¹
Winthrop,	15,695 24	16,026 55	54,946 13 ⁵
	\$2,164,329 54	\$2,179,592 59	\$4,273,344 06

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering and other municipal purposes.

³ No money received for hydrant rentals.

⁴ Not taking water from the district.

⁵ No money received for water used for street watering.

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1915.	Jan. 1, 1916.	Decrease.
Boston,	\$466,906 67	\$400,000 00	\$66,906 67
Somerville,	26,000 00	21,000 00	5,000 00
Chelsea,	134,230 00	101,414 00	32,816 00
Everett,	53,176 17	46,083 18	7,092 99
Malden,	35,936 20	30,080 11	5,856 09
Medford, ¹	—7,683 73	—7,336 40	347 33 ²
Melrose,	96,442 94	89,875 79	6,567 15
	\$805,008 25	\$681,116 68	\$123,891 57

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1916: —

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	236,000 00	
	<hr/>	\$9,721,000 00

an increase for the year of \$94,750.

Sinking fund, April 1, 1916,	3,122,981 45	
	<hr/>	

an increase for the year of \$187,537.39.

Net parks debt, April 1, 1916,	\$6,598,018 55	
--	----------------	--

a decrease for the year of \$92,787.39.

BOULEVARDS.

Gross parks, series two (boulevards) debt, April 1, 1916: —

Bonds outstanding (sinking fund) (one-half),	\$2,567,500 00	
Bonds outstanding (serial) (one-half),	430,000 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts of 1915),	81,506 25	
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts of 1915),	275,625 00	
	<hr/>	\$3,354,631 25

an increase for the year of \$404,068.75.

Sinking fund, April 1, 1916,	801,462 63	
	<hr/>	

an increase for the year of \$49,892.22.

Net parks, series two (boulevards) debt, April 1, 1916,	\$2,553,168 62	
---	----------------	--

an increase for the year of \$354,176.53.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1916 is made up as follows: —

Parks sinking fund,	\$55,785 24	
Parks, series two, sinking fund,	13,891 00	
Nantasket sinking fund,	3,634 50	
Parks, serial bonds,	\$14,250 00	
Less premium,	2,509 04	
	<hr/>	11,740 96
Parks, series two, serial bonds,	\$15,693 75	
Less premium,	6,887 95	
	<hr/>	8,805 80
	<hr/>	
Amount carried forward,	\$93,857 50	

Amount brought forward,			\$93,857 50	
Parks interest: —				
One year on \$8,785,000,	\$301,225 00			
Six months on \$141,250,	2,688 12			
Six months on \$211,000,	4,090 00			
Interest on advances and temporary loans, estimated, 1916,	10,000 00			
Interest from July 6, 1915, to Feb. 21, 1916, on \$10,000 (chapter 368, Special Acts of 1915),	125 00			
Adjustment of interest charges in 1915,	597 23			
		\$318,725 35		
Less accrued interest,		438 89		
			318,286 46	
Parks, series two, interest: —				
One year on \$2,567,500,	\$87,737 50			
Six months on \$316,937.50,	6,338 75			
Six months on \$526,368.75,	10,527 38			
Interest from Oct. 28, 1915, to Feb. 15, 1916, on \$15,000 (chapter 300, General Acts of 1915),	21 31			
Interest on advances and temporary loans, estimated, 1916,	2,000 00			
		\$106,624 94		
Accrued interest,	\$1,204 86			
Adjustment of interest charges in 1915,	6,454 54			
		7,659 40		
			98,965 54	
Nantasket interest: —				
One year on \$700,000,			21,000 00	
Parks maintenance, as appropriated by Legislature,		\$496,166 66		
Less balance on hand,		56 88		
			496,409 78	
Boulevards maintenance, one-half,		\$133,641 38		
Less balance on hand, one-half,		1,222 56		
			132,418 82	
Nantasket maintenance,		\$41,244 14		
Less balance on hand,		172 48		
			41,071 66	
Wellington Bridge maintenance, one-quarter,		\$2,581 21		
Less balance on hand, one-quarter,	\$133 79			
Due from Commonwealth, account reapportionment,	1,440 57			
		1,574 36		
			1,006 85	
Total parks assessment for 1916,			\$1,203,016 61	

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Main- tenance.	Total Serial Bonds.	Grand Total.
Arlington,	\$466 41	\$2,726 75	\$5,822 02	\$120 22	\$9,135 40
Belmont,	294 83	1,725 44	3,377 08	75 08	5,472 43
Boston,	46,725 69	280,639 12	357,438 35	13,184 12	697,987 28
Braintree,	318 86	1,891 60	4,354 90	80 82	6,646 18
Brookline,	4,962 90	29,687 77	27,511 73	1,338 05	63,500 45
Cambridge,	2,882 98	17,287 51	37,895 75	850 84	58,917 08
Canton,	260 03	1,542 38	2,956 03	65 30	4,823 74
Chelsea,	600 96	3,588 92	14,053 82	179 60	18,423 30
Cohasset,	18 78	108 36	209 71	—	336 85
Dedham,	391 70	2,364 44	4,255 88	115 24	7,127 26
Dover,	273 54	1,622 75	1,469 56	69 48	3,435 33
Everett,	594 38	3,477 17	11,733 89	170 60	15,976 04
Hingham,	357 87	2,122 85	3,233 21	90 42	5,804 35
Hull,	319 46	1,894 72	2,163 01	80 17	4,457 36
Lynn,	2,233 46	13,516 68	34,651 39	662 04	51,063 57
Malden,	786 72	4,683 06	14,585 69	245 97	20,301 44
Medford,	281 89	1,341 32	7,288 63	53 81	8,965 65
Melrose,	388 42	2,269 90	5,416 52	108 96	8,183 80
Milton,	662 67	3,645 80	2,438 69	152 63	6,899 79
Nahant,	389 08	2,099 99	1,419 85	71 17	3,980 09
Needham,	264 81	1,589 51	2,931 74	72 69	4,858 75
Newton,	2,384 72	14,356 56	19,100 78	686 48	36,528 54
Quincy,	445 15	2,349 35	10,724 62	106 51	13,625 63
Revere,	190 27	882 45	6,309 80	33 09	7,415 61
Saugus,	147 36	897 82	3,404 52	45 95	4,495 65
Somerville,	1,567 81	9,449 47	28,764 62	477 17	40,259 07
Stoneham,	104 68	636 61	2,351 80	33 90	3,126 99
Swampscott,	600 87	3,592 81	4,604 61	159 12	8,957 41
Wakefield,	289 13	1,751 12	4,615 48	85 95	6,741 68
Waltham,	812 26	4,915 39	11,068 32	241 44	17,037 41
Watertown,	584 68	3,516 25	6,929 79	163 86	11,194 58
Wellesley,	622 63	3,728 63	4,082 27	169 31	8,602 87
Weston,	363 23	2,173 23	1,968 85	98 08	4,603 39
Westwood,	193 88	1,149 87	1,379 06	48 08	2,770 89
Weymouth,	398 85	2,366 11	6,170 25	101 28	9,036 49
Winchester,	317 47	1,757 81	2,999 02	75 20	5,149 50
Winthrop,	532 15	3,194 06	5,774 78	145 96	9,646 95
Woburn,	280 16	1,708 39	5,451 09	88 17	7,527 81
	\$73,310 74	\$438,252 00	\$670,907 11	\$20,546 76	\$1,203,016 61 ¹

¹ Exclusive of \$28,844.51, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.

METROPOLITAN PARKS.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	Parks (excepting Maintenance) and Boulevards.	Parks Maintenance.	Nantasket.
Arlington, . . . .	.00647	.00795	.00644
Belmont, . . . .	.00384	.00448	.00382
Boston, . . . .	.60799	.54008	.60533
Braintree, . . . .	.00307	.00449	.00306
Brookline, . . . .	.05635	.03878	.05610
Cambridge, . . . .	.04623	.05758	.04603
Canton, . . . .	.00241	.00298	.00240
Chelsea, . . . .	.01068	.01910	.01063
Cohasset,	—	—	.00438
Dedham, . . . .	.00563	.00631	.00561
Dover, . . . .	.00266	.00164	.00265
Everett, . . . .	.01166	.01778	.01161
Hingham, . . . .	.00340	.00336	.00338
Hull, . . . .	.00295	.00220	.00294
Lynn, . . . .	.03240	.04654	.03226
Malden, . . . .	.01652	.02375	.01644
Medford, . . . .	.01071	.01502	.01067
Melrose, . . . .	.00714	.00892	.00710
Milton, . . . .	.01320	.00933	.01314
Nahant, . . . .	.00549	.00319	.00547
Needham, . . . .	.00312	.00363	.00311
Newton, . . . .	.03251	.02991	.03237
Quincy, . . . .	.01326	.01951	.01320
Revere, . . . .	.00742	.01168	.00739
Saugus, . . . .	.00239	.00443	.00238
Somerville, . . . .	.02652	.04077	.02640
Stoncham, . . . .	.00199	.00337	.00198
Swampscott, . . . .	.00638	.00551	.00635
Wakefield, . . . .	.00419	.00615	.00417
Waltham, . . . .	.01185	.01548	.01180
Watertown, . . . .	.00731	.00889	.00728
Wellesley, . . . .	.00723	.00565	.00720
Weston, . . . .	.00414	.00281	.00412
Westwood, . . . .	.00170	.00131	.00170
Weymouth, . . . .	.00387	.00636	.00385
Winchester, . . . .	.00642	.00638	.00639
Winthrop, . . . .	.00625	.00716	.00622
Woburn, . . . .	.00465	.00752	.00463
	1.00000	1.00000	1.00000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1915.	Amount of Dec. 1, 1915, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1916.
\$125,000	Jan., 1928	\$39,113 83	\$62,912 14	\$62,087 86	\$4,122 61
1,300,000	Jan., 1934	525,372 70	1,071,701 11	228,298 89	8,869 49
2,000,000	Jan., 1936	740,183 79	1,634,355 15	365,644 85	12,228 12
1,400,000	Jan., 1937	496,256 00	1,140,021 34	259,978 66	8,096 50
1,000,000	July, 1938	336,910 00	821,337 45	178,662 55	5,192 58
505,000	July, 1939	161,724 27	410,188 30	94,811 70	2,576 59
650,000	Jan., 1941	233,029 46	627,219 30	22,780 70	544 07
125,000	Jan., 1943	28,269 35	82,361 66	42,638 34	900 25
340,000	July, 1943	80,803 03	240,124 84	99,875 16	2,108 72
300,000	Jan., 1944	59,622 41	180,725 38	119,274 62	2,372 38
370,000	Jan., 1945	63,635 85	200,683 56	169,316 44	3,176 22
300,000	Jan., 1946	50,942 07	167,142 50	132,857 50	2,353 08
300,000	Jan., 1947	41,899 52	143,027 55	156,972 45	2,627 50
70,000	Jan., 1949	7,803 24	28,832 77	41,167 23	617 13
\$8,785,000	-	\$2,865,565 52	\$6,810,633 05	\$1,974,366 95	\$55,785 24

Nantasket.

\$600,000	July, 1939	\$193,833 68	\$491,628 79	\$108,371 21	\$2,945 09
100,000	Jan., 1941	26,428 11	71,133 58	28,866 42	689 41
\$700,000	-	\$220,261 79	\$562,762 37	\$137,237 63	\$3,634 50

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1915.	Amount of Dec. 1, 1915, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1916.
\$250,000	Jan., 1934	\$109,441 02	\$223,247 35	\$26,752 65	\$1,039 00
300,000	Jan., 1936	120,427 48	265,908 65	34,091 35	1,140 00
500,000	Jan., 1937	192,343 66	441,860 40	58,139 60	1,811 00
50,000	July, 1938	18,318 52	44,657 88	5,342 12	155 00
250,000	July, 1939	87,861 60	222,847 20	27,152 80	738 00
225,000	Jan., 1940	61,776 19	159,819 35	65,180 65	1,659 00
162,500	July, 1940	51,479 10	135,843 65	26,656 35	679 00
55,000	Jan., 1943	13,274 73	38,675 41	16,324 59	345 00
150,000	July, 1943	32,577 88	96,812 68	53,187 32	1,123 00
150,000	Jan., 1944	31,517 24	95,533 96	54,466 04	1,083 00
150,000	Jan., 1945	26,933 72	84,938 83	65,061 17	1,220 00
150,000	Jan., 1946	21,747 80	71,355 20	78,644 80	1,393 00
150,000	Jan., 1947	21,683 29	74,017 74	75,982 26	1,272 00
25,000	Jan., 1949	2,545 39	9,405 15	15,594 85	234 00
\$2,567,500	-	\$791,927 62	\$1,964,923 45	\$602,576 55	\$13,891 00

METROPOLITAN PARKS LOAN.

*Sinking Fund, Equalized.*¹

[See chapter 457, Acts of 1905.]

CITIES AND TOWNS.	Sinking Fund Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Parks Sinking Fund Assessment. ¹
Arlington,	\$360 93	+\$46 55	\$407 48
Belmont,	214 22	+40 38	254 60
Boston,	33,916 87 {	+754 81 —404 32 ² }	34,267 36
Braintree,	171 26	+78 51	249 77
Brookline,	3,143 50	+550 69	3,694 19
Cambridge,	2,578 95	—395 36	2,183 59
Canton,	134 44	+68 42	202 86
Chelsea,	595 79	—123 93	471 86
Dedham,	314 07	—34 21	279 86
Dover,	148 39	+66 17	214 56
Everett,	650 46	—113 28	537 18
Hingham,	189 67	+90 29	279 96
Hull,	164 57	+84 68	249 25
Hyde Park, ³	—	—	—
Lynn,	1,807 44	—252 92	1,554 52
Malden,	921 57	—270 86	650 71
Medford,	597 46	—39 81	557 65
Melrose,	398 31	—46 54	351 77
Milton,	736 37	+74 02	810 39
Nahant,	306 26	+191 23	497 49
Needham,	174 05	+17 94	191 99
Newton,	1,813 58	—83 56	1,730 02
Quincy,	739 71	—85 24	654 47
Revere,	413 93	—17 38	396 55
Saugus,	133 33	—34 77	98 56
Somerville,	1,479 42	—330 30	1,149 12
Stoneham,	111 01	—38 13	72 88
Swampscott,	355 91	+88 04	443 95
Wakefield,	233 74	—33 64	200 10
Waltham,	661 06	—93 09	567 97
Watertown,	407 79	+12 90	420 69
Wellesley,	403 33	+57 19	460 52
Weston,	230 95	+39 25	270 20
Westwood,	94 83	+55 51	150 34
Weymouth,	215 88	+97 01	312 89
Winchester,	358 14	+19 07	377 21
Winthrop,	348 65	+37 02	385 67
Woburn,	259 40	—72 34	187 06
	\$55,785 24 {	+ \$2,469 68 —2,469 68 }	\$55,785 21

¹ As the commission appointed to revise the apportionment of assessment last year did not report until after July 1, 1915, the assessments were made on the basis of the previous apportionment, and an adjustment has been made this year as provided by chapter 457, Acts of 1905.

² Hyde Park.

³ See Boston.

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARDS).

Sinking Fund, Equalized.

CITIES AND TOWNS.	Sinking Fund Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Boulevard Sinking Fund Assessment. ¹
Arlington,	\$89 87	—\$59 07	\$30 80
Belmont,	53 34	—30 25	23 09
Boston,	8,445 59 {	—151 57 ² +1,996 37	10,290 39
Braintree,	42 65	+14 26	56 91
Brookline,	782 76	+262 22	1,044 98
Cambridge,	642 18	—99 99	542 19
Canton,	33 48	+13 40	46 88
Chelsea,	148 36	—56 91	91 45
Cohasset,	—	—	—
Dedham,	78 21	+14 99	93 20
Dover,	36 95	+11 67	48 62
Everett,	161 97	—146 67	15 30
Hingham,	47 23	+16 86	64 09
Hull,	40 98	+16 56	57 54
Hyde Park, ³	—	—	—
Lynn,	450 07	+109 50	559 57
Malden,	229 48	—142 93	86 55
Medford,	148 77	—464 37	—315 60
Melrose,	99 18	—87 60	11 58
Milton,	183 36	—379 94	—196 58
Nahant,	76 26	—211 94	—135 68
Needham,	43 34	+16 42	59 76
Newton,	451 60	+93 50	545 10
Quincy,	184 19	—441 89	—257 70
Revere,	103 07	—338 73	—235 66
Saugus,	33 20	+7 35	40 55
Somerville,	368 39	—39 91	328 48
Stoneham,	27 64	—2 16	25 48
Swampscott,	88 63	+39 62	128 25
Wakefield,	58 20	+15 56	73 76
Waltham,	164 61	+38 32	202 93
Watertown,	101 54	+33 57	135 11
Wellesley,	100 43	+33 14	133 57
Weston,	57 51	+19 16	76 67
Westwood,	23 61	+11 81	35 42
Weymouth,	53 76	+17 15	70 91
Winchester,	89 18	—173 90	—84 72
Winthrop,	86 82	+33 43	120 25
Woburn,	64 59	+12 97	77 56
	\$13,891 00 {	+\$2,827 83 —2,827 83	\$13,891 00

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.

² Hyde Park.

³ See Boston.

METROPOLITAN PARKS LOAN, NANTASKET.

Sinking Fund, Equalized.

CITIES AND TOWN.	Sinking Fund Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Nantasket Sinking Fund Assessment.
Arlington,	\$23 41	+ \$4 72	\$28 13
Belmont,	13 88	+ 3 26	17 14
Boston,	2,200 07 {	-23 53 ¹ - 8 60	} 2,167 94
Braintree,	11 12	+ 1 06	12 18
Brookline,	203 90	+ 19 83	223 73
Cambridge,	167 30	- 10 10	157 20
Canton,	8 72	+ 1 57	10 29
Chelsea,	38 63	- 98	37 65
Cohasset,	15 92	+ 2 86	18 78
Dedham,	20 39	- 1 75	18 64
Dover,	9 63	+ 73	10 36
Everett,	42 20	- 30	41 90
Hingham,	12 28	+ 1 54	13 82
Hull,	10 69	+ 1 98	12 67
Hyde Park, ²	-	-	-
Lynn,	117 25	+ 2 12	119 37
Malden,	59 75	- 10 29	49 46
Medford,	38 78	+ 1 06	39 84
Melrose,	25 80	- 73	25 07
Milton,	47 76	+ 1 10	48 86
Nahant,	19 88	+ 7 39	27 27
Needham,	11 30	+ 1 76	13 06
Newton,	117 65	- 8 05	109 60
Quincy,	47 98	+ 40	48 38
Revere,	26 86	+ 2 52	29 38
Saugus,	8 65	- 40	8 25
Somerville,	95 95	- 5 74	90 21
Stoneham,	7 20	- 88	6 32
Swampscott,	23 08	+ 5 59	28 67
Wakefield,	15 16	+ 11	15 27
Waltham,	42 89	- 1 53	41 36
Watertown,	26 46	+ 2 42	28 88
Wellesley,	26 17	+ 2 37	28 54
Weston,	14 97	+ 1 39	16 36
Westwood,	6 18	+ 1 94	8 12
Weymouth,	13 99	+ 1 06	15 05
Winchester,	23 22	+ 1 76	24 98
Winthrop,	22 61	+ 3 62	26 23
Woburn,	16 82	- 1 28	15 54
	\$3,634 50 {	+ \$74 16 - 74 16	} \$3,634 50

¹ Hyde Park.² See Boston.

METROPOLITAN PARKS LOAN.

Interest, Equalized.

CITIES AND TOWNS.	Interest Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Parks Interest Assessment.
Arlington,	\$2,059 31	+\$263 28	\$2,322 59
Belmont,	1,222 22	+228 38	1,450 60
Boston,	193,514 99	—2,286 98 ¹ +4,269 45	195,497 46
Braintree,	977 14	+444 07	1,421 21
Brookline,	17,935 44	+3,114 86	21,050 30
Cambridge,	14,714 38	—2,236 23	12,478 15
Canton,	767 07	+386 98	1,154 05
Chelsea,	3,399 30	—701 00	2,698 30
Dedham,	1,791 95	—193 49	1,598 46
Dover,	846 64	+374 29	1,220 93
Everett,	3,711 22	—640 74	3,070 48
Hingham,	1,082 17	+510 69	1,592 86
Hull,	938 95	+478 97	1,417 92
Hyde Park, ²	—	—	—
Lynn,	10,312 48	—1,430 56	8,881 92
Malden,	5,258 09	—1,532 06	3,726 03
Medford,	3,408 85	—225 21	3,183 64
Melrose,	2,272 57	—263 27	2,009 30
Milton,	4,201 38	+418 70	4,620 08
Nahant,	1,747 39	+1,081 63	2,829 02
Needham,	993 05	+101 50	1,094 55
Newton,	10,347 49	—472 63	9,874 86
Quincy,	4,220 48	—482 13	3,738 35
Revere,	2,361 69	—98 33	2,263 36
Saugus,	760 71	—196 66	564 05
Somerville,	8,440 96	—1,868 28	6,572 68
Stoneham,	633 39	—215 69	417 70
Swampscott,	2,030 67	+498 00	2,528 67
Wakefield,	1,333 62	—190 32	1,143 30
Waltham,	3,771 69	—526 54	3,245 15
Watertown,	2,326 67	+72 95	2,399 62
Wellesley,	2,301 21	+323 54	2,624 75
Weston,	1,317 71	+222 04	1,539 75
Westwood,	541 09	+314 02	855 11
Weymouth,	1,231 77	+548 75	1,780 52
Winchester,	2,043 40	+107 85	2,151 25
Winthrop,	1,989 29	+209 35	2,198 64
Woburn,	1,480 03	—409 18	1,070 85
	\$318,286 46	+\$13,969 30 —13,969 30	\$318,286 46

¹ Hyde Park.² See Boston.

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARDS).

Interest, Equalized.

CITIES AND TOWNS.	Interest Apportionment. 1916.	Adjustment Account of Re-apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Boulevard Interest Assessment. ¹
Arlington,	\$640 31	—\$398 48	\$241 83
Belmont,	380 03	—204 10	175 93
Boston,	60,170 06	—1,022 43 ² +13,466 48	72,614 11
Braintree,	303 82	+96 22	400 04
Brookline,	5,576 71	+1,768 84	7,345 55
Cambridge,	4,575 18	—674 49	3,900 69
Canton,	238 51	+90 39	328 90
Chelsea,	1,056 95	—383 89	673 06
Dedham,	557 18	+101 07	658 25
Dover,	263 25	+78 72	341 97
Everett,	1,153 94	—989 38	164 56
Hingham,	336 48	+113 71	450 19
Hull,	291 95	+111 77	403 72
Hyde Park, ³	—	—	—
Lynn,	3,206 48	+738 64	3,945 12
Malden,	1,634 91	—964 11	670 80
Medford,	1,059 92	—3,132 40	—2,072 48
Melrose,	706 61	—590 91	115 70
Milton,	1,306 35	—2,562 87	—1,256 52
Nahant,	543 32	—1,429 64	—886 32
Needham,	308 77	+110 80	419 57
Newton,	3,217 37	+630 76	3,848 13
Quincy,	1,312 28	—2,980 79	—1,668 51
Revere,	734 32	—2,284 91	—1,550 59
Saugus,	236 53	+49 57	286 10
Somerville,	2,624 57	—269 21	2,355 36
Stonham,	196 94	—14 57	182 37
Swampscott,	631 40	+267 26	898 66
Wakefield,	414 66	+104 96	519 62
Waltham,	1,172 74	+258 52	1,431 26
Watertown,	723 44	+226 45	949 89
Wellesley,	715 52	+223 54	939 06
Weston,	409 72	+129 26	538 98
Westwood,	168 24	+79 69	247 93
Weymouth,	383 00	+115 65	498 65
Winchester,	635 36	—1,173 07	—537 71
Winthrop,	618 53	+225 48	844 01
Woburn,	460 19	+87 47	547 66
	\$98,965 54	+ \$19,075 25 —19,075 25	\$98,965 54

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916. ² Hyde Park. ³ See Boston.

METROPOLITAN PARKS LOAN, NANTASKET.

Interest, Equalized.

CITIES AND TOWNS.	Interest Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Nantasket Interest Assessment.
Arlington,	\$135 24	+\$27 09	\$162 33
Belmont,	80 22	+18 69	98 91
Boston,	12,711 93 {	—135 03 ¹ —49 35	12,527 55 }
Braintree,	64 26	+6 09	70 35
Brookline,	1,178 10	+113 82	1,291 92
Cambridge,	966 63	—57 96	908 67
Canton,	50 40	+9 03	59 43
Chelsea,	223 23	—5 67	217 56
Cohasset,	91 98	+16 38	108 36
Dedham,	117 81	—10 08	107 73
Dover,	55 65	+4 20	59 85
Everett,	243 81	—1 68	242 13
Hingham,	70 98	+8 82	79 80
Hull,	61 74	+11 34	73 08
Hyde Park, ²	—	—	—
Lynn,	677 46	+12 18	689 64
Malden,	345 24	—59 01	286 23
Medford,	224 07	+6 09	230 16
Melrose,	149 10	—4 20	144 90
Milton,	275 94	+6 30	282 24
Nahant,	114 87	+42 42	157 29
Needham,	65 31	+10 08	75 39
Newton,	679 77	—46 20	633 57
Quincy,	277 20	+2 31	279 51
Revere,	155 19	+14 49	169 68
Saugus,	49 98	—2 31	47 67
Somerville,	554 40	—32 97	521 43
Stoneham,	41 58	—5 04	36 54
Swampscott,	133 35	+32 13	165 48
Wakefield,	87 57	+ 63	88 20
Waltham,	247 80	—8 82	238 98
Watertown,	152 88	+13 86	166 74
Wellesley,	151 20	+13 65	164 85
Weston,	86 52	+7 98	94 50
Westwood,	35 70	+11 13	46 83
Weymouth,	80 85	+6 09	86 94
Winchester,	134 19	+10 08	144 27
Winthrop,	130 62	+20 79	151 41
Woburn,	97 23	—7 35	89 88
	\$21,000 00 {	+\$425 67 —425 67	\$21,000 00 }

¹ Hyde Park.² See Boston.

METROPOLITAN PARKS LOAN.

Maintenance, Equalized.

CITIES AND TOWNS.	Maintenance Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Parks Maintenance Assessment.
Arlington,	\$3,946 46	+\$1,192 47	\$5,138 93
Belmont,	2,223 92	+702 06	2,925 98
Boston,	268,100 99 {	—3,721 95 ¹ —28,108 23	} 236,270 81
Braintree,	2,228 88	+1,455 74	3,684 62
Brookline,	19,250 77	—4,000 71	15,250 06
Cambridge,	28,583 28	+2,219 75	30,803 03
Canton,	1,479 30	+924 04	2,403 34
Chelsea,	9,481 43	+3,205 73	12,687 16
Dedham,	3,132 35	+36 13	3,168 48
Dover,	814 11	+82 59	896 70
Everett,	8,826 17	+2,116 51	10,942 68
Hingham,	1,667 94	+810 46	2,478 40
Hull,	1,092 10	+392 33	1,484 43
Hyde Park, ²	—	—	—
Lynn,	23,102 91	+4,971 21	28,074 12
Malden,	11,789 73	+1,238 93	13,028 66
Medford,	7,456 07	+1,858 40	9,314 47
Melrose,	4,427 98	+490 41	4,918 39
Milton,	4,631 50	—1,316 37	3,315 13
Nahant,	1,583 55	+573 01	2,156 56
Needham,	1,801 97	+428 46	2,230 43
Newton,	14,847 62	—2,111 34	12,736 28
Quincy,	9,684 95	+2,441 72	12,126 67
Revere,	5,798 07	+2,039 07	7,837 14
Saugus,	2,199 10	+733 03	2,932 13
Somerville,	20,238 63	+4,315 61	24,554 24
Stoneham,	1,672 90	+361 35	2,034 25
Swampscott,	2,735 22	+361 36	3,096 58
Wakefield,	3,052 92	+702 06	3,754 98
Waltham,	7,684 42	+1,016 95	8,701 37
Watertown,	4,413 08	+934 37	5,347 45
Wellesley,	2,804 71	—289 08	2,515 63
Weston,	1,394 91	—325 22	1,069 69
Westwood,	650 30	+309 73	960 03
Weymouth,	3,157 16	+2,178 46	5,335 62
Winchester,	3,167 09	+154 87	3,321 96
Winthrop,	3,554 29	+810 46	4,364 75
Woburn,	3,733 00	+815 63	4,548 63
	\$496,409 78 {	+ \$39,872 90 —39,872 90	} \$496,409 78

¹ Hyde Park.² See Boston.

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARDS).

Maintenance, Equalized.

CITIES AND TOWNS.	Maintenance Apportionment. 1916.	Adjustment Account of Re-apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Boulevards Maintenance Assessment. ¹
Arlington,	\$856 75	—\$496 38	\$360 37
Belmont,	508 49	—254 25	254 24
Boston,	80,509 32	—1,273 66 ² +16,775 52	96,011 18
Braintree,	406 53	+119 86	526 39
Brookline,	7,461 80	+2,203 48	9,665 28
Cambridge,	6,121 72	—840 23	5,281 49
Canton,	319 13	+112 60	431 73
Chelsea,	1,414 23	—478 23	936 00
Dedham,	745 52	+125 92	871 44
Dover,	352 23	+98 07	450 30
Everett,	1,544 00	—1,232 50	311 50
Hingham,	450 22	+141 65	591 87
Hull,	390 64	+139 23	529 87
Hyde Park, ³	—	—	—
Lynn,	4,290 37	+920 13	5,210 50
Malden,	2,187 56	—1,201 02	986 54
Medford,	1,418 21	—3,902 11	—2,483 90
Melrose,	945 47	—736 11	209 36
Milton,	1,747 93	—3,192 63	—1,444 70
Nahant,	726 98	—1,780 94	—1,053 96
Needham,	413 15	+138 02	551 17
Newton,	4,304 94	+785 75	5,090 69
Quincy,	1,755 87	—3,713 24	—1,957 37
Revere,	982 55	—2,846 37	—1,863 82
Saugus,	316 48	+61 75	378 23
Somerville,	3,511 75	—335 36	3,176 39
Stoneham,	263 51	—18 16	245 35
Swampscott,	844 83	+332 94	1,177 77
Wakefield,	554 83	+130 76	685 59
Waltham,	1,569 16	+322 05	1,891 21
Watertown,	967 98	+282 10	1,250 08
Wellesley,	957 39	+278 46	1,235 85
Weston,	548 21	+161 02	709 23
Westwood,	225 11	+99 28	324 39
Weymouth,	512 46	+144 07	656 53
Winchester,	850 13	—1,461 32	—611 19
Winthrop,	827 62	+280 88	1,108 50
Woburn,	615 75	+108 97	724 72
	\$132,418 82	+ \$23,762 51 —23,762 51	\$132,418 82

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916. ² Hyde Park. ³ See Boston.

METROPOLITAN PARKS LOAN, NANTASKET.

Maintenance, Equalized.

CITIES AND TOWNS.	Maintenance Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Nantasket Maintenance Assessment.
Arlington,	\$264 50	+\$49 32	\$313 82
Belmont,	156 89	+34 03	190 92
Boston,	24,861 91 {	-245 86 ¹ -89 86	24,526 19 }
Braintree,	125 68	+11 09	136 77
Brookline,	2,304 12	+207 24	2,511 36
Cambridge,	1,890 53	-105 53	1,785 00
Canton,	98 57	+16 45	115 02
Chelsea,	436 59	-10 32	426 27
Cohasset,	179 89	+29 82	209 71
Dedham,	230 41	-18 36	212 05
Dover,	108 84	+7 65	116 49
Everett,	476 84	-3 06	473 78
Hingham,	138 82	+16 06	154 88
Hull,	120 75	+20 64	141 39
Hyde Park, ²	-	-	-
Lynn,	1,324 97	+22 17	1,347 14
Malden,	675 22	-107 44	567 78
Medford,	438 23	+11 09	449 32
Melrose,	291 61	-7 64	283 97
Milton,	539 68	+11 47	551 15
Nahant,	224 66	+77 24	301 90
Needham,	127 73	+18 35	146 08
Newton,	1,329 49	-84 12	1,245 37
Quincy,	542 15	+4 21	546 36
Revere,	303 52	+26 38	329 90
Saugus,	97 75	-4 21	93 54
Somerville,	1,084 29	-60 03	1,024 26
Stoneham,	81 32	-9 17	72 15
Swampscott,	260 81	+58 50	319 31
Wakefield,	171 27	+1 15	172 42
Waltham,	484 65	-16 06	468 59
Watertown,	299 00	+25 24	324 24
Wellesley,	295 72	+24 85	320 57
Weston,	169 22	+14 53	183 75
Westwood,	69 82	+20 26	90 08
Weymouth,	158 13	+11 09	169 22
Winchester,	262 45	+18 36	280 81
Winthrop,	255 47	+37 86	293 33
Woburn,	190 16	-13 39	176 77
	\$41,071 66 {	+ \$775 05 - 775 05	\$41,071 66 }

¹ Hyde Park.² See Boston.

WELLINGTON BRIDGE.

Maintenance, Equalized.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Maintenance Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Wellington Bridge Maintenance Assessment.
Arlington,	\$15 83	—\$6 93	\$8 90
Belmont,	9 40	—3 46	5 94
Boston,	1,488 01 {	—20 77 ¹ } —837 07	630 17
Braintree,	7 51	— 39	7 12
Brookline,	137 91	—52 88	85 03
Cambridge,	113 14	—86 91	26 23
Canton,	5 90	+ 04	5 94
Chelsea,	26 14	—21 75	4 39
Dedham,	13 78	—9 87	3 91
Dover,	6 51	— 44	6 07
Everett,	28 54	—22 61	5 93
Hingham,	8 32	— 26	8 06
Hull,	7 22	+ 10	7 32
Hyde Park, ²	—	—	—
Lynn,	79 30	—59 67	19 63
Malden,	40 43	—37 72	2 71
Medford,	26 21	—17 47	8 74
Melrose,	17 47	—12 67	4 80
Milton,	32 31	—15 20	17 11
Nahant,	13 44	+1 91	15 35
Needham,	7 64	—3 58	4 06
Newton,	79 57	—51 13	28 44
Quincy,	32 45	—23 49	8 96
Revere,	18 16	—11 58	6 58
Saugus,	5 85	—5 23	62
Somerville,	64 91	—55 18	9 73
Stoneham,	4 87	—4 82	05
Swampscott,	15 62	—4 67	10 95
Wakefield,	10 25	—7 76	2 49
Waltham,	29 00	—21 85	7 15
Watertown,	17 89	—9 87	8 02
Wellesley,	17 69	—7 47	10 22
Weston,	10 13	—3 95	6 18
Westwood,	4 16	+ 40	4 56
Weymouth,	9 47	— 59	8 88
Winchester,	15 71	—8 27	7 44
Winthrop,	15 30	—7 10	8 20
Woburn,	11 38	—10 41	97
	\$2,447 42	—\$1,440 57 ³	\$1,006 85

¹ Hyde Park.² See Boston.³ This amount is the Commonwealth's share of the 1915 assessment for maintenance, and is paid back to the district in this year's settlement.

METROPOLITAN PARKS LOAN.

Serial Bonds, Equalized.

CITIES AND TOWNS.	Serial Bond Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Parks Serial Bond Assessment.
Arlington,	\$75 96	+\$7 61	\$83 57
Belmont,	45 08	+6 60	51 68
Boston,	7,138 39 {	-66 11 ¹ +123 41	7,195 69 }
Braintree,	36 04	+12 84	48 88
Brookline,	661 60	+90 04	751 64
Cambridge,	542 78	-64 64	478 14
Canton,	28 29	+11 19	39 48
Chelsea,	125 39	-20 26	105 13
Dedham,	66 10	-5 59	60 51
Dover,	31 23	+10 82	42 05
Everett,	136 90	-18 52	118 38
Hingham,	39 92	+14 76	54 68
Hull,	34 64	+13 85	48 49
Hyde Park, ²	-	-	-
Lynn,	380 41	-41 35	339 06
Malden,	193 96	-44 29	149 67
Medford,	125 75	-6 51	119 24
Melrose,	83 83	-7 61	76 22
Milton,	154 98	+12 10	167 08
Nahant,	64 46	+31 27	95 73
Needham,	36 63	+2 94	39 57
Newton,	381 70	-13 66	368 04
Quincy,	155 69	-13 94	141 75
Revere,	87 12	-2 85	84 27
Saugus,	28 06	-5 69	22 37
Somerville,	311 37	-54 01	257 36
Stoneham,	23 36	-6 23	17 13
Swampscott,	74 91	+14 40	89 31
Wakefield,	49 17	-5 50	43 69
Waltham,	139 13	-15 22	123 91
Watertown,	85 83	+2 11	87 94
Wellesley,	84 89	+9 35	94 24
Weston,	48 61	+6 42	55 03
Westwood,	19 96	+9 08	29 04
Weymouth,	45 44	+15 86	61 30
Winchester,	75 38	+3 11	78 49
Winthrop,	73 38	+6 05	79 43
Woburn,	54 60	-11 83	42 77
	\$11,740 96 {	+\$403 81 -403 81	\$11,740 96 }

¹ Hyde Park.² See Boston.

METROPOLITAN PARKS LOAN, SERIES TWO, BOULEVARDS.

Serial Bonds, Equalized.

CITIES AND TOWNS.	Serial Bond Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Boulevards Serial Bond Assessment. ¹
Arlington,	\$56 97	—\$20 32	\$36 65
Belmont,	33 81	—10 41	23 40
Boston,	5,353 84 {	—52 14 ² } +686 73	5,988 43
Braintree,	27 03	+4 91	31 94
Brookline,	496 21	+90 20	586 41
Cambridge,	407 09	—34 39	372 70
Canton,	21 22	+4 60	25 82
Chelsea,	94 05	—19 58	74 47
Dedham,	49 58	+5 15	54 73
Dover,	23 42	+4 01	27 43
Everett,	102 67	—50 45	52 22
Hingham,	29 94	+5 80	35 74
Hull,	25 98	+5 70	31 68
Hyde Park, ³	—	—	—
Lynn,	285 31	+37 67	322 98
Malden,	145 47	—49 17	96 30
Medford,	94 31	—159 74	—65 43
Melrose,	62 87	—30 13	32 74
Milton,	116 24	—130 69	—14 45
Nahant,	48 34	—72 90	—24 56
Needham,	27 47	+5 65	33 12
Newton,	286 28	+32 16	318 44
Quincy,	116 76	—152 00	—35 24
Revere,	65 34	—116 52	—51 18
Saugus,	21 05	+2 53	23 58
Somerville,	233 53	—13 72	219 81
Stoneham,	17 52	— 75	16 77
Swampscott,	56 18	+13 63	69 81
Wakefield,	36 90	+5 36	42 26
Waltham,	104 35	+13 18	117 53
Watertown,	64 37	+11 55	75 92
Wellesley,	63 67	+11 40	75 07
Weston,	36 46	+6 59	43 05
Westwood,	14 97	+4 07	19 04
Weymouth,	34 08	+5 90	39 98
Winchester,	56 53	—59 82	—3 29
Winthrop,	55 04	+11 49	66 53
Woburn,	40 95	+4 45	45 40
	\$8,805 80 {	+ \$972 73 — 972 73	} \$8,805 80

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916. ² Hyde Park. ³ See Boston.

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards. ¹	Nantasket.	Total.
Arlington, . . .	\$407 48	\$30 80	\$28 13	\$466 41
Belmont, . . .	254 60	23 09	17 14	294 83
Boston, . . .	34,267 36	10,290 39	2,167 94	46,725 69
Braintree, . . .	249 77	56 91	12 18	318 86
Brookline, . . .	3,694 19	1,044 98	223 73	4,962 90
Cambridge, . . .	2,183 59	542 19	157 20	2,882 98
Canton, . . .	202 86	46 88	10 29	260 03
Chelsea, . . .	471 86	91 45	37 65	600 96
Cohasset, . . .	—	—	18 78	18 78
Dedham, . . .	279 86	93 20	18 64	391 70
Dover, . . .	214 56	48 62	10 36	273 54
Everett, . . .	537 18	15 30	41 90	594 38
Hingham, . . .	279 96	64 09	13 82	357 87
Hull, . . .	249 25	57 54	12 67	319 46
Lynn, . . .	1,554 52	559 57	119 37	2,233 46
Malden, . . .	650 71	86 55	49 46	786 72
Medford, . . .	557 65	—315 60	39 84	281 89
Melrose, . . .	351 77	11 58	25 07	388 42
Milton, . . .	810 39	—196 58	48 86	662 67
Nahant, . . .	497 49	—135 68	27 27	389 08
Needham, . . .	191 99	59 76	13 06	264 81
Newton, . . .	1,730 02	545 10	109 60	2,384 72
Quincy, . . .	654 47	—257 70	48 38	445 15
Révere, . . .	396 55	—235 66	29 38	190 27
Saugus, . . .	98 56	40 55	8 25	147 36
Somerville, . . .	1,149 12	328 48	90 21	1,567 81
Stonham, . . .	72 88	25 48	6 32	104 68
Swampscott, . . .	443 95	128 25	28 67	600 87
Wakefield, . . .	200 10	73 76	15 27	289 13
Waltham, . . .	567 97	202 93	41 36	812 26
Watertown, . . .	420 69	135 11	28 88	584 68
Wellesley, . . .	460 52	133 57	28 54	622 63
Weston, . . .	270 20	76 67	16 36	363 23
Westwood, . . .	150 34	35 42	8 12	193 88
Weymouth, . . .	312 89	70 91	15 05	398 85
Winchester, . . .	377 21	—84 72	24 98	317 47
Winthrop, . . .	385 67	120 25	26 23	532 15
Woburn, . . .	187 06	77 56	15 54	280 16
	\$55,785 24	\$13,891 00	\$3,634 50	\$73,310 74

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards. ¹	Nantasket.	Total.
Arlington, . . .	\$2,322 59	\$241 83	\$162 33	\$2,726 75
Belmont, . . .	1,450 60	175 93	98 91	1,725 44
Boston, . . .	195,497 46	72,614 11	12,527 55	280,639 12
Braintree, . . .	1,421 21	400 04	70 35	1,891 60
Brookline, . . .	21,050 30	7,345 55	1,291 92	29,687 77
Cambridge, . . .	12,478 15	3,900 69	908 67	17,287 51
Canton, . . .	1,154 05	328 90	59 43	1,542 38
Chelsea, . . .	2,698 30	673 06	217 56	3,588 92
Cohasset, . . .	—	—	108 36	108 36
Dedham, . . .	1,598 46	658 25	107 73	2,364 44
Dover, . . .	1,220 93	341 97	59 85	1,622 75
Everett, . . .	3,070 48	164 56	242 13	3,477 17
Hingham, . . .	1,592 86	450 19	79 80	2,122 85
Hull, . . .	1,417 92	403 72	73 08	1,894 72
Lynn, . . .	8,881 92	3,945 12	689 64	13,516 68
Malden, . . .	3,726 03	670 80	286 23	4,683 06
Medford, . . .	3,183 64	—2,072 48	230 16	1,341 32
Melrose, . . .	2,009 30	115 70	144 90	2,269 90
Milton, . . .	4,620 08	—1,256 52	282 24	3,645 80
Nahant, . . .	2,829 02	—886 32	157 29	2,099 99
Needham, . . .	1,094 55	419 57	75 39	1,589 51
Newton, . . .	9,874 86	3,848 13	633 57	14,356 56
Quincy, . . .	3,738 35	—1,668 51	279 51	2,349 35
Revere, . . .	2,263 36	—1,550 59	169 68	882 45
Saugus, . . .	564 05	286 10	47 67	897 82
Somerville, . . .	6,572 68	2,355 36	521 43	9,449 47
Stoneham, . . .	417 70	182 37	36 54	636 61
Swampscott, . . .	2,528 67	898 66	165 48	3,592 81
Wakefield, . . .	1,143 30	519 62	88 20	1,751 12
Waltham, . . .	3,245 15	1,431 26	238 98	4,915 39
Watertown, . . .	2,399 62	949 89	166 74	3,516 25
Wellesley, . . .	2,624 75	939 06	164 85	3,728 66
Weston, . . .	1,539 75	538 98	94 50	2,173 23
Westwood, . . .	855 11	247 93	46 83	1,149 87
Weymouth, . . .	1,780 52	498 65	86 94	2,366 11
Winchester, . . .	2,151 25	—537 71	144 27	1,757 81
Winthrop, . . .	2,198 64	844 01	151 41	3,194 06
Woburn, . . .	1,070 85	547 66	89 88	1,708 39
	\$318,286 46	\$98,965 54	\$21,000 00	\$438,252 00

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Boulevards. ¹	Nantasket.	Wellington Bridge.	Total.
Arlington,	\$5,138 93	\$360 37	\$313 82	\$8 90	\$5,822 02
Belmont,	2,925 98	254 24	190 92	5 94	3,377 08
Boston,	236,270 81	96,011 18	24,526 19	630 17	357,438 35
Braintree,	3,684 62	526 39	136 77	7 12	4,354 90
Brookline,	15,250 06	9,665 28	2,511 36	85 03	27,511 73
Cambridge,	30,803 03	5,281 49	1,785 00	26 23	37,895 75
Canton,	2,403 34	431 73	115 02	5 94	2,956 03
Chelsea,	12,687 16	936 00	426 27	4 39	14,053 82
Cohasset,	—	—	209 71	—	209 71
Dedham,	3,168 48	871 44	212 05	3 91	4,255 88
Dover,	896 70	450 30	116 49	6 07	1,469 56
Everett,	10,942 68	311 50	473 78	5 93	11,733 89
Hingham,	2,478 40	591 87	154 88	8 06	3,233 21
Hull,	1,484 43	529 87	141 39	7 32	2,163 01
Lynn,	28,074 12	5,210 50	1,347 14	19 63	34,651 39
Malden,	13,028 66	986 54	567 78	2 71	14,585 69
Medford,	9,314 47	—2,483 90	449 32	8 74	7,288 63
Melrose,	4,918 39	209 36	283 97	4 80	5,416 52
Milton,	3,315 13	—1,444 70	551 15	17 11	2,438 69
Nahant,	2,156 56	—1,053 96	301 90	15 35	1,419 85
Needham,	2,230 43	551 17	146 08	4 06	2,931 74
Newton,	12,736 28	5,090 60	1,245 37	28 44	19,100 78
Quincy,	12,126 67	—1,957 37	546 36	8 96	10,724 62
Revere,	7,837 14	—1,863 82	329 90	6 58	6,309 80
Saugus,	2,932 13	378 23	93 54	62	3,404 52
Somerville,	24,554 24	3,176 39	1,024 26	9 73	28,764 62
Stoneham,	2,034 25	245 35	72 15	05	2,351 80
Swampscott,	3,096 58	1,177 77	319 31	10 95	4,604 61
Wakefield,	3,754 98	685 59	172 42	2 49	4,615 48
Waltham,	8,701 37	1,891 21	463 59	7 15	11,068 32
Watertown,	5,347 45	1,250 08	324 24	8 02	6,929 79
Wellesley,	2,515 63	1,235 85	320 57	10 22	4,082 27
Weston,	1,069 69	709 23	183 75	6 18	1,968 85
Westwood,	960 03	324 39	90 08	4 56	1,379 06
Weymouth,	5,335 62	656 53	169 22	8 88	6,170 25
Winchester,	3,321 96	—611 19	280 81	7 44	2,999 02
Winthrop,	4,861 75	1,108 50	293 33	8 20	5,774 78
Woburn,	4,548 63	724 72	176 77	97	5,451 09
	\$496,409 78	\$132,418 82	\$41,071 66	\$1,006 85	\$670,907 11

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards. ¹	Total.
Arlington,	\$83 57	\$36 65	\$120 22
Belmont,	51 68	23 40	75 08
Boston,	7,195 69	5,988 43	13,184 12
Braintree,	48 88	31 94	80 82
Brookline,	751 64	586 41	1,338 05
Cambridge,	478 14	372 70	850 84
Canton,	39 48	25 82	65 30
Chelsea,	105 13	74 47	179 60
Dedham,	60 51	54 73	115 24
Dover,	42 05	27 43	69 48
Everett,	118 38	52 22	170 60
Hingham,	54 68	35 74	90 42
Hull,	48 49	31 68	80 17
Lynn,	339 06	322 98	662 04
Malden,	149 67	96 30	245 97
Medford,	119 24	—65 43	53 81
Melrose,	76 22	32 74	108 96
Milton,	167 08	—14 45	152 63
Nahant,	95 73	—24 56	71 17
Needham,	39 57	33 12	72 69
Newton,	368 04	318 44	686 48
Quincy,	141 75	—35 24	106 51
Revere,	84 27	—51 18	33 09
Saugus,	22 37	23 58	45 95
Somerville,	257 36	219 81	477 17
Stoneham,	17 13	16 77	33 90
Swampscott,	89 31	69 81	159 12
Wakefield,	43 69	42 26	85 95
Waltham,	123 91	117 53	241 44
Watertown,	87 94	75 92	163 86
Wellesley,	94 24	75 07	169 31
Weston,	55 03	43 05	98 08
Westwood,	29 04	19 04	48 08
Weymouth,	61 30	39 98	101 28
Winchester,	78 49	—3 29	75 20
Winthrop,	79 43	66 53	145 96
Woburn,	42 77	45 40	88 17
	\$11,740 96	\$8,805 80	\$20,546 76

¹ A minus sign in this column indicates that the amount following it is due the city or town from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.

WELLINGTON BRIDGE.

Reconstruction.

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent.,	\$66,125 00	
Previously assessed,	6,612 50	
	<hr/>	
Outstanding,	\$59,512 50	
Serial bonds due Jan. 1, 1917,		\$6,612 50
Interest:—		
One year on \$59,512.50,	\$2,380 50	
Six months on \$6,612.50,	132 25	
	<hr/>	2,512 75
		<hr/>
		\$9,125 25

*Assessment.**Serial Bonds, Equalized.*

[Chapter 295, General Acts of 1916.]

	Per Cent.	1916 Re- quirements, ap- portioned.	Amounts of Adjustment.	1916 Assessments, including Adjustments.
Malden,	13	\$1,495 00	+\$106 02	\$1,601 02
Medford,	16	1,840 00	—14 46	1,825 54
Reading,	—	—	—81 92	—81 92 ¹
Somerville,	11	1,265 00	+36 15	1,301 15
Stoneham,	2½	287 50	—45 79	241 71
Boston Elevated Railway Company,	15	1,725 00	—	1,725 00
	57½	\$6,612 50	{ +\$142 17 —142 17 }	\$6,612 50

Interest, Equalized.

Malden,	13	\$568 10	+\$39 08	\$607 18
Medford,	16	699 20	—5 33	693 87
Reading,	—	—	—30 19	—30 19 ¹
Somerville,	11	480 70	+13 32	494 02
Stoneham,	2½	109 25	—16 88	92 37
Boston Elevated Railway Company,	15	655 50	—	655 50
	57½	\$2,512 75	{ +\$52 40 —52 40 }	\$2,512 75

¹ Due Reading from the Commonwealth; will be paid Nov. 15, 1916.

*Maintenance.**Assessments on Certain Cities and Towns, Equalized.*

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	MAINTENANCE APPORTIONMENT. 1916.		Adjustment Account of Reap- portionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 As- sessment.
	Per Cent.	Amount.		
Malden,	15.2941	\$1,497 24	+\$74 58	\$1,571 82
Medford,	18.8235	1,842 77	—10 18	1,832 59
Reading,	—	—	—57 62	—57 62 ¹
Somerville,	12.9412	1,266 90	+25 42	1,292 32
Stoneham,	2.9412	287 93	—32 20	255 73
	50.0000	\$4,894 84	{ +\$100 00 } —100 00	\$4,894 84

¹ Due Reading from the Commonwealth; will be paid Nov. 15, 1916.

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by chapter 529 of the Acts of 1907, and chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent.).
Arlington,	\$1,636 79	\$873 68	\$2,510 47	24
Belmont,	1,159 39	618 85	1,778 24	17
Cambridge,	3,205 38	1,710 95	4,916 33	47
Somerville,	818 39	436 84	1,255 23	12
	\$6,819 95	\$3,640 32	\$10,460 27	100

¹ This table includes the sixth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the third assessment under chapter 458 of the Acts of 1911.

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued and outstanding, 57½ per cent.,	\$201,250 00
Serial bonds due Jan. 1, 1917,	11,500 00
Less premium,	6,391 70

\$5,108 30

Interest:—

Six months on \$201,250, \$4,025 00

Interest from Oct. 28, 1915, to

Feb. 15, 1916, on \$8,625, 57 69

\$4,082 69

Accrued interest, \$1,118 05

Adjustment of interest charges, 20 03

1,138 08

\$2,944 61

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston,	20	\$1,776 80	\$1,024 21	\$2,801 01
City of Quincy,	15	1,332 60	768 16	2,100 76
County of Norfolk,	5	444 20	256 05	700 25
County of Plymouth,	2½	222 10	128 03	350 13
Bay State Street Railway Company,	15	1,332 60	768 16	2,100 76
	57½	\$5,108 30	\$2,944 61	\$8,052 91

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 368, Special Acts of 1915.]

Bonds issued and outstanding, 50 per cent.,	\$25,000 00	
Serial bonds due Jan. 1, 1917,	3,000 00	
Less premium,	794 00	
	<hr/>	\$2,206 00
Interest: —		
Six months on \$25,000,	\$500 00	
Interest from July 6, 1915, to Feb. 21, 1916, on \$10,000,	125 00	
	<hr/>	\$625 00
Accrued interest,	\$138 89	
Adjustment of interest charges,	59 42	
	<hr/>	198 31
	<hr/>	426 69
		<hr/>
		\$2,632 69

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton,	25	\$1,103 00	\$213 34	\$1,316 34
Town of Weston,	10	441 20	85 34	526 54
County of Middlesex,	15	661 80	128 01	789 81
	50	\$2,206 00	\$426 69	\$2,632 69

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April, 1916:—

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	594,000 00	
	<hr/>	\$7,157,000 00

an increase for the year of \$52,500.

Sinking fund, April 1, 1916,	2,120,740 33	
--	--------------	--

an increase for the year of \$177,802.93.

Net sewerage, north system, debt, April 1, 1916,	\$5,036,259 67	
--	----------------	--

a decrease for the year of \$125,302.93.

Assessments, North System.

Sinking fund requirements,	\$110,165 52	
Serial bonds,	\$16,000 00	
Less premium,	2,223 20	
	<hr/>	13,776 80

Interest:—

One year on \$7,102,000,	\$224,015 00	
Four months on \$14,000,	186 67	
Interest on advances and temporary loans, estimated, 1916,	3,000 00	
	<hr/>	\$227,201 67

Accrued interest, \$1,322 23

Adjustment of interest charges
in 1915, 2,345 29

3,667 52

223,534 15

Maintenance, as appropriated by Legislature, . . . \$180,000 00

Less balance on hand, 27,059 76

152,940 24

Total north metropolitan sewerage assessment, \$500,416 71

EVERETT AND MALDEN, SPECIAL ASSESSMENT (CHAPTER 512, ACTS
OF 1911).

Bonds issued,	\$62,000 00	
Previously assessed,	12,000 00	
Outstanding,	\$50,000 00	

Assessment for 1916 is made up as follows:—

Serial bonds due Jan. 1, 1917,	2,000 00	
--	----------	--

Interest:—

One year on \$50,000, \$1,750 00

Four months on \$2,000, 23 34

1,773 34

\$3,773 34

Everett and Malden, one-half each.

CITY OF REVERE, SPECIAL ASSESSMENT (CHAPTER 259, ACTS OF 1914).

Bonds issued,	\$5,500 00
Previously assessed,	500 00
<hr/>	
Outstanding,	\$5,000 00

Assessment for 1916 is made up as follows: —

Serial bond due Jan. 1, 1917,	\$500 00	
Interest: —		
One year on \$5,000,	\$200 00	
Four months on \$500,	6 67	
	<hr/>	206 67
		<hr/>
		\$706 67

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1916: —

Bonds outstanding (sinking fund),	\$8,877,912 00	
Bonds outstanding (serial),	355,000 00	
	<hr/>	\$9,232,912 00

an increase for the year of \$355,000.

Sinking fund, April 1, 1916,	1,209,863 36
--	--------------

an increase for the year of \$109,261.84.

Net sewerage, south system, debt, April 1, 1916,	\$8,023,048 64
--	----------------

an increase for the year of \$245,738.16.

Assessments, South System.

Sinking fund requirements,	\$73,654 37
Premium on serial bonds,	\$11,274 80
Serial bonds,	10,000 00
	<hr/>

To be applied to serial bonds due

Sept. 1, 1917,	\$1,274 80
--------------------------	------------

Interest: —

One year on \$9,232,912,	\$312,977 36
Interest from Oct. 28, 1915, to Feb. 15, 1916, on \$50,000,	334 37
Interest on advances and tem- porary loans, estimated, 1916,	4,000 00
Adjustment of interest charges in 1915,	390 77
	<hr/>

\$317,702 50

Less accrued interest,	6,705 55
----------------------------------	----------

310,996 95

Maintenance, as appropriated by Legislature,	\$115,000 00
--	--------------

Less balance on hand,	9,167 38
---------------------------------	----------

105,832 62

Total south metropolitan sewerage assessment,	\$490,483 94
---	--------------

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington,	\$3,503 26	\$438 10	\$7,108 39	\$3,854 09	\$14,903 84
Belmont,	2,412 63	301 71	4,895 40	2,095 28	9,705 02
Boston,	15,962 98	1,996 26	32,390 10	27,299 83	77,649 17
Cambridge,	25,701 62	3,214 13	52,150 52	28,217 48	109,283 75
Chelsea,	5,750 64	719 15	11,668 48	11,256 40	29,394 67
Everett,	6,125 20	765 99	12,428 50	9,772 88	29,092 57
Lexington,	1,321 99	165 32	2,682 41	1,024 70	5,194 42
Malden,	8,372 58	1,047 04	16,988 59	12,678 75	39,086 96
Medford,	5,871 82	734 30	11,914 37	7,907 01	26,427 50
Melrose,	3,734 61	467 03	7,577 81	4,374 09	16,153 54
Revere,	4,208 32	526 27	8,539 00	6,530 55	19,804 14
Somerville,	14,266 43	1,784 10	28,947 67	22,512 80	67,511 00
Stoneham,	1,123 69	140 52	2,280 05	1,942 34	5,486 60
Wakefield,	2,346 53	293 45	4,761 28	3,318 80	10,720 06
Winchester,	3,580 38	447 75	7,264 86	2,599 99	13,892 98
Winthrop,	3,073 62	384 37	6,236 60	3,303 51	12,998 10
Woburn,	2,809 22	351 31	5,700 12	4,251 74	13,112 39
	\$110,165 52	\$13,776 80	\$223,534 15	\$152,940 24	\$500,416 71 ¹

¹ Exclusive of \$4,480.01, special assessments on Everett, Malden, and Revere, which are included on page 6.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1915.	Amount of Dec. 1, 1915, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3½ Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1916.
\$5,330,000 (2,620,583)	Jan., 1930 Sunk.	\$1,899,869 57	\$3,196,076 67	\$4,754,506 33	\$158,483 54	\$97,774 59
465,000 (211,125)	Jan., 1930 Sunk.	148,143 22	249,215 58	426,909 42	14,230 31	8,779 23
250,000 (43,750)	July, 1943 Sunk.	19,029 79	55,363 29	238,386 71	3,973 11	1,484 39
50,000 (8,750)	Jan., 1943 Sunk.	4,031 85	10,994 01	47,755 99	795 93	302 94
55,000 (9,625)	July, 1943 Sunk.	6,282 83	17,453 18	47,171 82	786 20	293 73
300,000 (26,250)	Jan., 1949 Sunk.	13,513 26	46,049 31	280,200 69	3,502 51	1,066 72
113,000 (9,417)	Jan., 1949 Sunk.	3,739 34	12,742 60	109,674 40	1,523 26	463 92
\$6,563,000 (2,920,500)	- Sunk.	\$2,095,509 86	\$3,587,894 64	\$5,904,605 36	\$183,294 86	\$110,165 52

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1916.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{6}{30}$	$\frac{4}{30} + \frac{3}{8}$	$\frac{1}{30}$
265,000	1930	$\frac{70}{240} + \frac{6}{30}$	$\frac{4}{30} + \frac{3}{8}$	$\frac{1}{30}$
200,000	1930	$\frac{40}{240} + \frac{6}{30}$	$\frac{4}{30} + \frac{111}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{3}{60}$	$\frac{7}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{3}{60}$	$\frac{7}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
300,000	1949	$\frac{7}{80}$	$\frac{3}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{80}$
113,000	1949	$\frac{6}{72}$	$\frac{3}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{72}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation. General Acts of 1916, Chapter 171.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent.).
Arlington, . . .	\$19,849,317	3.18	14,889	2.52
Belmont, . . .	13,667,620	2.19	8,081	1.37
Boston: —				
Charlestown, }				
East Boston, }	90,335,800	14.49	105,281	17.85
Cambridge, . . .	145,450,647	23.33	108,822	18.45
Chelsea, . . .	32,562,957	5.22	43,426	7.36
Everett, . . .	34,653,684	5.56	37,718	6.39
Lexington, . . .	7,513,900 ¹	1.20	3,940 ²	0.67
Malden, . . .	47,406,486	7.60	48,907	8.29
Medford, . . .	33,214,921	5.33	30,509	5.17
Melrose, . . .	21,109,262	3.39	16,880	2.86
Revere, . . .	23,812,667	3.82	25,178	4.27
Somerville, . . .	80,729,831	12.95	86,854	14.72
Stoneham, . . .	6,389,965	1.02	7,489	1.27
Wakefield, . . .	13,288,394	2.13	12,781	2.17
Winchester, . . .	20,298,615	3.25	10,005	1.70
Winthrop, . . .	17,378,910	2.79	12,758	2.16
Woburn, . . .	15,899,337	2.55	16,410	2.78
	\$623,562,313	100.00	589,928	100.00

¹ 66.67 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Interest.	Maintenance.	Total Assessment.
Boston, . . .	\$31,060 05	\$131,147 41	\$58,472 52	\$220,679 98
Brookline, . . .	16,557 50	69,912 11	8,635 94	95,105 55
Dedham, . . .	1,583 57	6,686 44	2,846 90	11,116 91
Milton, . . .	3,564 87	15,052 25	2,222 49	20,839 61
Newton, . . .	9,177 33	38,750 22	11,123 01	59,050 56
Quincy, . . .	4,301 42	18,162 22	10,488 01	32,951 65
Waltham, . . .	3,152 41	13,310 67	7,778 70	24,241 78
Watertown, . . .	2,194 90	9,267 71	4,265 05	15,727 66
Wellesley, ¹ . . .	2,062 32	8,707 92	—	10,770 24
	\$73,654 37	\$310,996 95	\$105,832 62	\$490,483 94

¹ Wellesley is also assessed \$6,775.24 for sinking fund requirements in accordance with section 5, chapter 343, Acts of 1914.

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1915.	Amount of Dec. 1, 1915, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3½ Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1916.
\$800,000 (393,333)	Jan., 1930 Sunk.	\$282,875 75	\$475,870 87	\$717,462 13	\$23,915 40	\$14,754 33
839,000 (272,675)	Mar., 1935 Sunk.	167,990 13	340,293 29	771,381 71	25,712 72	13,173 88
65,000 (18,958)	Mar., 1936 Sunk.	11,394 95	23,956 16	60,001 84	2,000 06	987 36
1,024,912 (247,687)	July, 1939 Sunk.	132,489 56	317,219 50	955,379 50	15,922 99	6,902 11
3,586,000 (806,850)	July, 1940 Sunk.	410,667 30	1,020,477 84	3,372,372 16	56,206 20	23,475 02
996,000 (171,300)	Jan., 1943 Sunk.	80,109 74	218,442 37	951,857 63	15,864 20	6,038 16
392,000 (62,067)	July, 1944 Sunk.	26,462 81	76,294 00	377,773 00	6,296 22	2,266 53
175,000 (21,875)	Jan., 1946 Sunk.	15,659 32	47,734 26	149,140 71	2,485 68	846 30
1,000,000 (125,000)	Jan., 1946 Sunk.	67,820 04	206,735 63	918,264 37	15,304 41	5,210 68
\$8,877,912 (2,122,745)	— Sunk.	\$1,195,469 60	\$2,727,023 92	\$8,273,633 08	\$163,707 97	\$73,654 37

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1916.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{6}{30}$	$\frac{4}{30} + \frac{3}{3}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$	$\frac{9}{30} + \frac{3}{3}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6}$	$\frac{1}{3} + \frac{3}{3}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{7}{60}$	$\frac{3}{60} + \frac{1}{3} + \frac{3}{3}$	$\frac{1}{60}$
3,586,000	1940	$\frac{1}{8} + \frac{6}{60}$	$\frac{4}{60} + \frac{1}{3} + \frac{3}{3}$	$\frac{1}{60}$
996,000	1943	$\frac{1}{8} + \frac{7}{60}$	$\frac{7}{60} + \frac{1}{3} + \frac{3}{3}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{2}{60}$	$\frac{8}{60} + \frac{1}{3} + \frac{3}{3}$	$\frac{1}{60}$
175,000	1946	$\frac{1}{8}$	$\frac{1}{6} + \frac{1}{3} + \frac{3}{3}$	$\frac{1}{60}$
1,000,000	1946	$\frac{1}{8}$	$\frac{1}{6} + \frac{1}{3} + \frac{3}{3}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1916, Chapter 607.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent.).
Waltham,	\$33,696,959	4.28	30,154	7.35
Watertown,	23,480,955	2.98	16,515	4.03
Newton,	98,091,454	12.46	43,113	10.51
Boston,	331,852,800	42.17	226,645	55.25
Brighton District, . .	\$57,167,700		34,782	
Back Bay District, . .	80,297,200		23,127	
Roxbury District, . .	52,109,100		51,588	
West Roxbury District, .	54,434,800		37,196	
Dorchester District, . .	68,406,500		62,002	
Hyde Park District, . .	19,437,500		17,950	
Brookline,	176,891,658	22.48	33,490	8.16
Dedham,	16,868,807 ¹	2.15	11,043	2.69
Milton,	38,117,803	4.84	8,600	2.10
Quincy,	45,960,081	5.84	40,674	9.91
Wellesley,	22,047,607	2.80		
	\$787,008,124	100.00	410,234	100.00

¹ 96.55 per cent. of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1915 and 1916.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1915.	1916.	1915.	1916.
Arlington, . .	\$10,495 61	\$11,645 87	\$14,540 81	\$14,903 84
Belmont, . .	6,231 58	7,250 67	8,236 13	9,705 02
Boston, . .	686,559 79	700,788 29	310,364 35	298,329 15
Braintree, . .	2,176 30	6,646 18	—	—
Brookline, . .	54,264 10	63,500 45	92,550 90	95,105 55
Cambridge, . .	68,837 32	63,833 41	112,675 22	109,283 75
Canton, . .	1,550 00	4,823 74	—	—
Chelsea, . .	15,800 17	18,423 30	28,934 81	29,394 67
Cohasset, . .	226 42	336 85	—	—
Dedham, . .	7,107 72	7,127 26	11,116 98	11,116 91
Dover, . .	1,929 99	3,435 33	—	—
Everett, . .	18,276 40	15,976 04	33,351 79	30,979 24
Hingham, . .	2,332 24	5,804 35	—	—
Hull, . .	1,878 83	4,457 36	—	—
Hyde Park, . .	9,414 01	— ¹	— ¹	— ¹
Lexington, . .	—	—	4,777 67	5,194 42
Lynn, . .	41,211 07	51,063 57	—	—
Malden, . .	29,521 59	24,081 46	45,145 65	40,973 63
Medford, . .	24,901 55	13,317 65	25,704 21	26,427 50
Melrose, . .	10,796 50	8,183 80	17,201 57	16,153 54
Milton, . .	20,936 61	6,899 79	22,144 92	20,839 61
Nahant, . .	6,894 97	3,980 09	—	—
Needham, . .	3,163 98	4,858 75	—	—
Newton, . .	39,055 33	37,844 88	61,233 44	59,050 56
Quincy, . .	24,606 75	15,726 39	30,403 10	32,951 65
Reading, . .	196 53	—169 73 ²	—	—
Revere, . .	14,750 39	7,415 61	19,089 73	20,510 81
Saugus, . .	3,321 03	4,495 65	—	—
Somerville, . .	41,722 21	44,601 79	70,682 61	67,511 00
Stoneham, . .	3,746 71	3,716 80	5,770 53	5,486 60
Swampscott, . .	5,508 61	8,957 41	—	—
Wakefield, . .	5,324 22	6,741 68	10,878 06	10,720 06
Waltham, . .	15,150 31	17,037 41	26,729 75	24,241 78
Watertown, . .	7,992 14	11,194 58	15,061 15	15,727 66
Wellesley, . .	7,190 37	8,602 87	—	17,545 48
Weston, . .	4,008 87	5,129 93	—	—
Westwood, . .	923 76	2,770 89	—	—
Weymouth, . .	2,792 91	9,036 49	—	—
Winchester, . .	10,254 88	5,149 50	13,807 21	13,892 98
Winthrop, . .	6,309 92	9,646 95	13,803 31	12,998 10
Woburn, . .	6,567 43	7,527 81	13,034 77	13,112 39
	\$1,223,929 12	\$1,231,861 12	\$1,007,238 67	\$1,002,155 90

¹ Included in Boston.² Refund.

STATEMENT IV.

CHARLES RIVER BASIN.

Gross Charles River Basin debt, April 1, 1916:—

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	333,000 00	
	<hr/>	\$4,458,000 00

an increase for the year of \$26,000.

Sinking fund, April 1, 1916,	826,565 43	
	<hr/>	

an increase for the year of \$70,921.02.

Net Charles River Basin debt, April 1, 1916,	\$3,631,434 57	
--	----------------	--

a decrease for the year of \$44,921.02.

TOTAL CHARLES RIVER BASIN LOAN — ASSESSMENT FOR 1916.

District.

Serial bonds,	\$10,000 00	
Less premium,	1,111 60	
	<hr/>	\$8,888 40

Interest:—

One year on \$4,125,000,	\$142,250 00
Six months on \$307,000,	5,470 00
Six months on \$333,000,	6,010 00
Adjustment of interest charges in 1915,	1,220 51

\$154,950 51

Less interest on bridge,	\$41,381 82
Accrued interest,	194 44

41,576 26

113,374 25

Maintenance, as appropriated by Legislature,	\$132,510 00
Less balance on hand,	5,174 27

127,335 73

Total Charles River Basin district assessment,	\$249,598 38
--	--------------

Charles River Bridge.

Sinking fund,	\$10,134 06
Interest,	41,381 82
	<hr/>
	\$51,515 88

Boston and Cambridge, one-half each.

ANALYSIS OF CHARLES RIVER BASIN DEBT, JULY 1, 1916.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . .	\$4,458,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,410,363 57
Sinking fund, . .	833,890 92	96,965 05	96,965 05	197,245 67	442,715 15
Net debt, . .	\$3,624,109 08	\$503,034 95	\$503,034 95	\$650,390 76	\$1,967,648 42

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1915.	Amount of Dec. 1, 1915, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3 $\frac{3}{4}$ Per Cent.	Balance.	Sinking Fund Require- ments for 1916.
\$177,272 73	Jan., 1944	\$163,979 71	\$464,062 98	-	-
283,636 36	Jan., 1945	281,278 44	826,149 22	-	-
425,454 55	Jan., 1946	272,407 01	830,377 50	-	-
815,454 55	Jan., 1947	351,278 73	1,111,333 46	-	-
283,636 36	Jan., 1948	86,036 01	282,493 23	-	-
602,727 28	Jan., 1949	108,293 48	369,033 11	-	-
336,818 17	Jan., 1950	13,944 92	49,319 00	-	-
\$2,925,000 00	-	\$1,277,218 30 ¹	\$3,932,768 50	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$19,991 04	\$56,574 69	\$16,152 58	\$334 10
116,363 64	Jan., 1945	33,346 93	97,944 02	18,419 62	359 92
174,545 45	Jan., 1946	36,102 23	110,050 32	64,495 13	1,191 84
334,545 45	Jan., 1947	52,853 26	167,210 80	167,334 65	2,927 36
116,363 64	Jan., 1948	14,794 05	48,575 23	67,788 41	1,123 70
247,272 72	Jan., 1949	24,013 79	81,832 11	165,440 61	2,600 89
138,181 83	Jan., 1950	8,823 39	31,205 69	106,976 14	1,596 25
\$1,200,000 00	-	\$189,924 69	\$593,392 86	\$606,607 14	\$40,134 06

¹ Includes \$654,476, balance of cost of embankment which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	For Sinking Fund, Interest and Maintenance Requirements.
Arlington, . . . . .	.00647
Belmont, . . . . .	.00384
Boston, . . . . .	.60799
Braintree, . . . . .	.00307
Brookline, . . . . .	.05635
Cambridge, . . . . .	.04623
Canton, . . . . .	.00241
Chelsea, . . . . .	.01068
Dedham, . . . . .	.00563
Dover, . . . . .	.00266
Everett, . . . . .	.01166
Hingham, . . . . .	.00340
Hull, . . . . .	.00295
Lynn, . . . . .	.03240
Malden, . . . . .	.01652
Medford, . . . . .	.01071
Melrose, . . . . .	.00714
Milton, . . . . .	.01320
Nahant, . . . . .	.00549
Needham, . . . . .	.00312
Newton, . . . . .	.03251
Quincy, . . . . .	.01326
Revere, . . . . .	.00742
Saugus, . . . . .	.00239
Somerville, . . . . .	.02652
Stoneham, . . . . .	.00199
Swampscott, . . . . .	.00638
Wakefield, . . . . .	.00419
Waltham, . . . . .	.01185
Watertown, . . . . .	.00731
Wellesley, . . . . .	.00723
Weston, . . . . .	.00414
Westwood, . . . . .	.00170
Weymouth, . . . . .	.00387
Winchester, . . . . .	.00642
Winthrop, . . . . .	.00625
Woburn, . . . . .	.00465
	1.00000

CHARLES RIVER BASIN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$940 04	\$971 69	\$74 16	\$1,985 89
Belmont, . . .	570 43	591 31	45 02	1,206 76
Boston, . . .	69,154 78	76,470 45	5,422 15	151,047 38
Braintree, . . .	413 92	423 89	32 60	870 41
Brookline, . . .	7,605 35	7,798 54	598 96	16,002 85
Cambridge, . . .	—203 74 ¹	5,575 14	—28 11 ¹	5,343 29
Canton, . . .	344 67	355 78	27 18	727 63
Chelsea, . . .	1,312 42	1,330 38	103 12	2,745 92
Dedham, . . .	656 16	661 18	51 48	1,368 82
Dover, . . .	352 92	361 45	27 78	742 15
Everett, . . .	1,453 66	1,476 77	114 26	3,044 69
Hingham, . . .	468 07	480 70	36 88	985 65
Hull, . . .	423 75	437 05	33 42	894 22
Lynn, . . .	4,118 71	4,193 91	323 90	8,636 52
Malden, . . .	1,790 34	1,785 18	140 18	3,715 70
Medford, . . .	1,371 63	1,397 88	107 89	2,877 40
Melrose, . . .	876 47	888 71	68 86	1,834 04
Milton, . . .	1,684 07	1,716 08	132 45	3,532 60
Nahant, . . .	889 20	928 78	70 31	1,888 29
Needham, . . .	438 57	451 88	34 57	925 02
Newton, . . .	3,855 46	3,891 78	302 64	8,049 88
Quincy, . . .	1,674 13	1,703 25	131 63	3,509 01
Revere, . . .	999 75	1,024 43	78 73	2,102 91
Saugus, . . .	288 82	291 83	22 68	603 33
Somerville, . . .	3,167 43	3,200 67	248 68	6,616 78
Stoneham, . . .	226 72	227 25	17 78	471 75
Swampscott, . . .	953 23	987 53	75 25	2,016 01
Wakefield, . . .	528 62	538 09	41 56	1,108 27
Waltham, . . .	1,443 94	1,462 31	113 43	3,019 68
Watertown, . . .	982 81	1,007 01	77 39	2,067 21
Wellesley, . . .	970 39	994 56	76 41	2,041 36
Weston, . . .	557 55	571 52	43 91	1,172 98
Westwood, . . .	265 30	275 60	20 96	561 86
Weymouth, . . .	514 67	526 91	40 52	1,082 10
Winchester, . . .	852 89	873 23	67 14	1,793 26
Winthrop, . . .	883 84	910 70	69 68	1,864 22
Woburn, . . .	547 28	552 31	42 95	1,142 54
	\$113,374 25	\$127,335 73	\$8,888 40	\$249,598 38 ²

¹ This amount is due Cambridge from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.

² Exclusive of \$51,515.88, special assessments on Boston and Cambridge, and \$26,176.46, embankment interest on Boston, which are included on page 6.

CHARLES RIVER BASIN LOAN.

Interest, Equalized.

CITIES AND TOWNS.	Interest Apportionment. 1916.	Adjustment Account of Re- apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Charles River Basin Interest Assessment.
Arlington,	\$733 53	+\$206 51	\$940 04
Belmont,	435 36	+135 07	570 43
Boston,	68,930 41	—644 07 ¹	} 69,154 78
Braintree,	348 06	+868 44	
Brookline,	6,388 64	+65 86	413 92
Cambridge,	5,241 29	+1,216 71	7,605 35
Canton,	273 23	—5,445 03	—203 74 ²
Chelsea,	1,210 84	+71 44	344 67
Dedham,	638 30	+101 58	1,312 42
Dover,	301 57	+17 86	656 16
Everett,	1,321 94	+51 35	352 92
Hingham,	385 47	+131 72	1,453 66
Hull,	334 45	+82 60	468 07
Hyde Park, ³	—	+89 30	423 75
Lynn,	3,673 33	—	—
Malden,	1,872 94	+445 38	4,118 71
Medford,	1,214 24	—82 60	1,790 34
Melrose,	809 49	+157 39	1,371 63
Milton,	1,496 54	+66 98	876 47
Nahant,	622 42	+187 53	1,684 07
Needham,	353 73	+266 78	889 20
Newton,	3,685 80	+84 84	438 57
Quincy,	1,503 34	+169 66	3,855 46
Revere,	841 24	+170 79	1,674 13
Saugus,	270 96	+158 51	999 75
Somerville,	3,006 69	+17 86	288 82
Stoneham,	225 61	+160 74	3,167 43
Swampscott,	723 33	+1 11	226 72
Wakefield,	475 04	+229 90	953 23
Waltham,	1,343 48	+53 58	528 62
Watertown,	828 77	+100 46	1,443 94
Wellesley,	819 70	+154 04	982 81
Weston,	469 37	+150 69	970 39
Westwood,	192 74	+88 18	557 55
Weymouth,	438 76	+72 56	265 30
Winchester,	727 86	+75 91	514 67
Winthrop,	708 59	+125 03	852 89
Woburn,	527 19	+175 25	883 84
		+20 09	547 28
	\$113,374 25	+\$6,171 70 —6,171 70	\$113,374 25

¹ Hyde Park.² This amount is due Cambridge from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.³ See Boston.

CHARLES RIVER BASIN LOAN.

Maintenance, Equalized.

CITIES AND TOWNS.	Maintenance Apportionment. 1916.	Adjustment Account of Re-apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Charles River Basin Maintenance Assessment.
Arlington,	\$823 86	+\$147 83	\$971 69
Belmont,	488 97	+102 34	591 31
Boston,	77,418 85 {	-734 61 ¹ -213 79	76,470 45 }
Braintree,	390 92	+32 97	423 89
Brookline,	7,175 37	+623 17	7,798 54
Cambridge,	5,886 73	-311 59	5,575 14
Canton,	306 88	+48 90	355 78
Chelsea,	1,359 95	-29 57	1,330 38
Dedham,	716 90	-55 72	661 18
Dover,	338 71	+22 74	361 45
Everett,	1,484 73	-7 96	1,476 77
Hingham,	432 94	+47 76	480 70
Hull,	375 64	+61 41	437 05
Hyde Park, ²	-	-	-
Lynn,	4,125 68	+68 23	4,193 91
Malden,	2,103 59	-318 41	1,785 18
Medford,	1,363 77	+34 11	1,397 88
Melrose,	909 18	-20 47	888 71
Milton,	1,680 83	+35 25	1,716 08
Nahant,	699 07	+229 71	928 78
Needham,	397 29	+54 59	451 88
Newton,	4,139 68	-247 90	3,891 78
Quincy,	1,688 47	+14 78	1,703 25
Revere,	944 83	+79 60	1,024 43
Saugus,	304 33	-12 50	291 83
Somerville,	3,376 94	-176 27	3,200 67
Stoneham,	253 40	-26 15	227 25
Swampscott,	812 40	+175 13	987 53
Wakefield,	533 54	+4 55	538 09
Waltham,	1,508 93	-46 62	1,462 31
Watertown,	930 82	+76 19	1,007 01
Wellesley,	920 64	+73 92	994 56
Weston,	527 17	+44 35	571 52
Westwood,	216 47	+59 13	275 60
Weymouth,	492 79	+34 12	526 91
Winchester,	817 50	+55 73	873 23
Winthrop,	795 85	+114 85	910 70
Woburn,	592 11	-39 80	552 31
	\$127,335 73 {	+\$2,241 36 -2,241 36	\$127,335 73 }

¹ Hyde Park.² See Boston.

CHARLES RIVER BASIN LOAN.

Serial Bonds, Equalized.

CITIES AND TOWNS.	Serial Bond Apportionment. 1916.	Adjustment Account of Re-apportionment of 1915 Assessment on the Basis of the 1916 Apportionment.	Total 1916 Charles River Basin Serial Bond Assessment.
Arlington,	\$57 51	+\$16 65	\$74 16
Belmont,	34 13	+10 89	45 02
Boston,	5,404 06 {	-51 93 ¹ +70 02	5,422 15 }
Braintree,	27 29	+5 31	32 60
Brookline,	500 86	+98 10	598 96
Cambridge,	410 91	-439 02	28 11 ²
Canton,	21 42	+5 76	27 18
Chelsea,	94 93	+8 19	103 12
Dedham,	50 04	+1 44	51 48
Dover,	23 64	+4 14	27 78
Everett,	103 64	+10 62	114 26
Hingham,	30 22	+6 66	36 88
Hull,	26 22	+7 20	33 42
Hyde Park, ³	-	-	-
Lynn,	287 99	+35 91	323 90
Malden,	146 84	-6 66	140 18
Medford,	95 20	+12 69	107 89
Melrose,	63 46	+5 40	68 86
Milton,	117 33	+15 12	132 45
Nahant,	48 80	+21 51	70 31
Needham,	27 73	+6 84	34 57
Newton,	288 96	+13 68	302 64
Quincy,	117 86	+13 77	131 63
Revere,	65 95	+12 78	78 73
Saugus,	21 24	+1 44	22 68
Somerville,	235 72	+12 96	248 68
Stoneham,	17 69	+ 09	17 78
Swampscott,	56 71	+18 54	75 25
Wakefield,	37 24	+4 32	41 56
Waltham,	105 33	+8 10	113 43
Watertown,	64 97	+12 42	77 39
Wellesley,	64 26	+12 15	76 41
Weston,	36 80	+7 11	43 91
Westwood,	15 11	+5 85	20 96
Weymouth,	34 40	+6 12	40 52
Winchester,	57 06	+10 08	67 14
Winthrop,	55 55	+14 13	69 68
Woburn,	41 33	+1 62	42 95
	\$8,888 40 {	+\$497 61 -497 61	\$8,888 40 }

¹ Hyde Park.² This amount is due Cambridge from the Commonwealth on account of readjustment of last year's assessment on the basis of the 1916 apportionment, and will be paid Nov. 15, 1916.³ See Boston.

STATEMENT OF THE DEBTS OF THE METRO

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking funds), .		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial), . .		236,000 00		—		787,131 25	
Gross debt,		\$9,021,000 00		\$700,000 00		\$3,354,631 25	
Sinking funds, July 1, 1916, . .		2,925,769 70		224,889 39		808,565 65	
Net debt,		\$6,095,230 30 ¹ 6,070,230 30 ²		\$475,110 61		\$2,546,065 60 2,285,303 10 ²	

		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00647	\$39,274 40	.00644	\$3,059 71	.00647	\$14,785 91
2	Belmont, . . . . .	.00384	23,309 68	.00382	1,814 92	.00384	8,775 56
3	Boston, . . . . .	.60799	3,690,639 32	.60533	287,598 71	.60799	1,459,441 43
4	Braintree, . . . . .	.00307	18,635 61	.00306	1,453 84	.00307	7,015 88
5	Brookline, . . . . .	.05635	342,057 48	.05610	26,653 71	.05635	128,776 83
6	Cambridge, . . . . .	.04623	280,626 75	.04603	21,869 34	.04623	105,649 56
7	Canton, . . . . .	.00241	14,629 25	.00240	1,140 26	.00241	5,507 58
8	Chelsea, . . . . .	.01068	64,830 06	.01063	5,050 43	.01068	24,407 04
9	Cohasset,	—	—	.00438	2,080 98	—	—
10	Dedham, . . . . .	.00563	34,175 40	.00561	2,665 37	.00563	12,866 26
11	Dover, . . . . .	.00266	16,146 81	.00265	1,259 04	.00266	6,078 91
12	Everett, . . . . .	.01166	70,778 88	.01161	5,516 03	.01166	26,646 64
13	Hingham, . . . . .	.00340	20,638 78	.00338	1,605 87	.00340	7,770 03
14	Hull, . . . . .	.00295	17,907 18	.00294	1,396 83	.00295	6,741 64
15	Lexington,	—	—	—	—	—	—
16	Lynn, . . . . .	.03240	196,675 47	.03226	15,327 07	.03240	74,043 82
17	Malden, . . . . .	.01652	100,280 20	.01644	7,810 82	.01652	51,208 21
18	Medford, . . . . .	.01071	65,012 17	.01067	5,069 43	.01071	41,035 60
19	Melrose, . . . . .	.00714	43,341 44	.00710	3,373 29	.00714	16,317 06
20	Milton, . . . . .	.01320	80,127 04	.01314	6,242 95	.01320	30,166 00
21	Nahant, . . . . .	.00549	33,325 56	.00547	2,598 86	.00549	12,546 32
22	Needham, . . . . .	.00312	18,939 12	.00311	1,477 59	.00312	7,130 15
23	Newton, . . . . .	.03251	209,843 19	.03237	15,379 33	.03251	74,295 20
24	Quincy, . . . . .	.01326	80,491 25	.01320	6,271 46	.01326	82,803 12
25	Revere, . . . . .	.00742	45,041 11	.00739	3,511 07	.00742	16,956 95
26	Saugus, . . . . .	.00239	14,507 85	.00238	1,130 76	.00239	5,461 87
27	Somerville, . . . . .	.02652	160,982 51	.02640	12,542 92	.02652	71,991 24
28	Stoneham, . . . . .	.00199	12,079 76	.00198	940 72	.00199	7,135 25
29	Swampscott, . . . . .	.00638	38,728 07	.00635	3,016 95	.00638	14,580 23
30	Wakefield, . . . . .	.00419	25,434 26	.00417	1,981 21	.00419	9,575 42
31	Waltham, . . . . .	.01135	71,932 23	.01180	5,606 31	.01185	27,080 84
32	Watertown, . . . . .	.00731	44,373 38	.00728	3,458 81	.00731	16,705 57
33	Wellesley, . . . . .	.00723	43,887 77	.00720	3,420 80	.00723	16,522 74
34	Weston, . . . . .	.00414	30,130 75	.00412	1,957 45	.00414	9,461 15
35	Westwood, . . . . .	.00170	10,319 39	.00170	807 69	.00170	3,885 02
36	Weymouth, . . . . .	.00387	23,491 79	.00385	1,829 17	.00387	8,844 12
37	Winchester, . . . . .	.00642	38,970 88	.00639	3,035 96	.00642	14,671 65
38	Winthrop, . . . . .	.00625	37,938 04	.00622	2,955 19	.00625	14,283 14
39	Woburn, . . . . .	.00465	28,226 57	.00463	2,199 76	.00465	10,626 66
		1.00000	\$6,087,730 30 ¹	1.00000	\$475,110 61	1.00000	\$2,451,700 60 ²

¹ See page 44 for details.² District proportion.

POLITAN DISTRICT (CHAPTER 526, ACTS OF 1911).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00		TOTALS.	
594,000 00		355,000 00		1,132,000 00		333,000 00			
\$7,157,000 00		\$9,232,912 00		\$42,530,000 00		\$4,458,000 00			
2,139,560 64		1,220,605 95		12,778,201 50		833,890 92			
\$5,017,439 36 4,962,439 36 ²		\$8,012,306 05		\$29,751,798 50		\$3,624,109 08 ¹ 1,967,648 42 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0318	\$157,805 57	-	-	.008313	\$247,326 70	.00647	\$12,730 69	\$474,982 98	1
.0219	108,677 42	-	-	.004654	138,464 87	.00384	7,555 77	288,598 22	2
.1449	719,057 46	.4217	\$3,378,789 47	.765933	22,788,033 04	.60799	2,349,736 27	34,673,295 70	3
-	-	-	-	-	-	.00307	6,040 68	33,146 01	4
-	-	.2248	1,801,166 40	-	-	.05635	110,876 99	2,409,531 41	5
.2333	1,157,737 10	-	-	-	-	.04623	593,999 34	2,159,882 09	6
-	-	-	-	-	-	.00241	4,742 03	26,019 12	7
.0522	259,039 34	-	-	.023910	711,365 50	.01068	21,014 49	1,085,706 86	8
-	-	-	-	-	-	-	-	2,080 98	9
-	-	.0215	172,264 58	-	-	.00563	11,077 86	233,049 47	10
-	-	-	-	-	-	.00266	5,233 94	28,718 70	11
.0556	300,911 63	-	-	.022380	665,845 25	.01166	22,942 78	1,092,641 21	12
-	-	-	-	-	-	.00340	6,690 01	36,704 69	13
-	-	-	-	-	-	.00295	5,804 56	31,850 21	14
.0120	59,549 27	-	-	.003991	118,739 43	-	-	178,288 70	15
-	-	-	-	-	-	.03240	63,751 81	349,798 17	16
.0760	402,145 39	-	-	.021712	645,971 05	.01652	32,505 55	1,239,921 22	17
.0533	264,498 02	-	-	.013304	395,817 93	.01071	21,073 51	792,506 66	18
.0339	168,226 70	-	-	.008688	258,483 63	.00714	14,049 01	503,791 13	19
-	-	.0484	387,795 61	.007742	230,338 42	.01320	25,972 96	760,642 98	20
-	-	-	-	.002443	72,683 64	.00549	10,802 39	131,956 77	21
-	-	-	-	-	-	.00312	6,139 06	33,685 92	22
-	-	.1246	998,333 33	.002837	84,405 85	.03251	63,968 25	1,446,225 15	23
-	-	.0584	467,918 67	.023614	702,558 97	.01326	26,091 02	1,366,134 41	24
.0382	194,565 18	-	-	.013557	403,345 13	.00742	14,599 95	678,019 39	25
-	-	-	-	-	-	.00239	4,702 68	25,803 16	26
.1295	642,635 90	-	-	.050683	1,507,910 40	.02652	52,182 04	2,448,245 01	27
.0102	50,616 88	-	-	.003444	102,465 20	.00199	3,915 62	177,153 43	28
-	-	-	-	.005477	162,950 60	.00638	12,553 60	231,829 45	29
.0213	105,699 96	-	-	-	-	.00419	8,244 45	150,935 30	30
-	-	.0428	342,926 70	-	-	.01185	23,316 63	470,862 71	31
-	-	.0298	238,766 72	.009960	296,327 91	.00731	14,383 51	614,015 90	32
-	-	.0280	224,344 57	-	-	.00723	14,226 10	302,401 98	33
-	-	-	-	-	-	.00414	8,146 06	49,695 41	34
-	-	-	-	-	-	.00170	3,345 00	18,357 10	35
-	-	-	-	-	-	.00387	7,614 80	41,779 88	36
.0325	161,279 28	-	-	-	-	.00642	12,632 30	230,590 07	37
.0279	138,452 06	-	-	.007353	218,764 98	.00625	12,297 80	424,692 11	38
.0255	126,542 20	-	-	-	-	.00465	9,149 57	176,744 76	39
1.0000	\$5,017,439 36	1.0000	\$8,012,306 05	1.000000	\$29,751,798 50	1.00000	\$3,624,109 08	\$55,420,284 50	

³ Exclusive of \$7,500, share of county of Middlesex.⁴ Exclusive of \$94,275, share of certain counties and street railways.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 4 per cent. per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	= 1.04040000	\$1 each year for 19 years	= 28.90197165
\$1 in 2 years	= 1.08243216	\$1 in 20 years	= 2.20803964
\$1 each year for 2 years	= 2.12283216	\$1 each year for 20 years	= 31.11001129
\$1 in 3 years	= 1.12616241	\$1 in 21 years	= 2.29724444
\$1 each year for 3 years	= 3.24899457	\$1 each year for 21 years	= 33.40725573
\$1 in 4 years	= 1.17165938	\$1 in 22 years	= 2.39005311
\$1 each year for 4 years	= 4.42065395	\$1 each year for 22 years	= 35.79730884
\$1 in 5 years	= 1.21899441	\$1 in 23 years	= 2.48661126
\$1 each year for 5 years	= 5.63964836	\$1 each year for 23 years	= 38.28392010
\$1 in 6 years	= 1.26824179	\$1 in 24 years	= 2.58707035
\$1 each year for 6 years	= 6.90789015	\$1 each year for 24 years	= 40.87099045
\$1 in 7 years	= 1.31947875	\$1 in 25 years	= 2.69158799
\$1 each year for 7 years	= 8.22736890	\$1 each year for 25 years	= 43.56257844
\$1 in 8 years	= 1.37278570	\$1 in 26 years	= 2.80032815
\$1 each year for 8 years	= 9.60015460	\$1 each year for 26 years	= 46.36290659
\$1 in 9 years	= 1.42824624	\$1 in 27 years	= 2.91346140
\$1 each year for 9 years	= 11.02840084	\$1 each year for 27 years	= 49.27636799
\$1 in 10 years	= 1.48594738	\$1 in 28 years	= 3.03116524
\$1 each year for 10 years	= 12.51434822	\$1 each year for 28 years	= 52.30753323
\$1 in 11 years	= 1.54597966	\$1 in 29 years	= 3.15362432
\$1 each year for 11 years	= 14.06032788	\$1 each year for 29 years	= 55.46115755
\$1 in 12 years	= 1.60843724	\$1 in 30 years	= 3.28103074
\$1 each year for 12 years	= 15.66876512	\$1 each year for 30 years	= 58.74218829
\$1 in 13 years	= 1.67341810	\$1 in 31 years	= 3.41358438
\$1 each year for 13 years	= 17.34218322	\$1 each year for 31 years	= 62.15577267
\$1 in 14 years	= 1.74102419	\$1 in 32 years	= 3.55149318
\$1 each year for 14 years	= 19.08320741	\$1 each year for 32 years	= 65.70726585
\$1 in 15 years	= 1.81136157	\$1 in 33 years	= 3.69497350
\$1 each year for 15 years	= 20.89456898	\$1 each year for 33 years	= 69.40223935
\$1 in 16 years	= 1.88454057	\$1 in 34 years	= 3.84425042
\$1 each year for 16 years	= 22.77910955	\$1 each year for 34 years	= 73.24648977
\$1 in 17 years	= 1.96067601	\$1 in 35 years	= 3.99955813
\$1 each year for 17 years	= 24.73978556	\$1 each year for 35 years	= 77.24604790
\$1 in 18 years	= 2.03988732	\$1 in 36 years	= 4.16114027
\$1 each year for 18 years	= 26.77967288	\$1 each year for 36 years	= 81.40718817
\$1 in 19 years	= 2.12229877		
\$1 each year for 19 years	= 28.90197165		

One dollar put in each year, with interest at the rate of $3\frac{3}{4}$ per cent. per annum, compounded semiannually, amounts to the following in from 1 to 35 years, both inclusive: —

\$1 for 1 year	=	1.03785156	\$1 each year for 18 years	=	26.09727843
\$1 in 2 years	=	1.07713586	\$1 in 19 years	=	2.02567431
\$1 each year for 2 years	=	2.11498742	\$1 each year for 19 years	=	28.12295274
\$1 in 3 years	=	1.11790713	\$1 in 20 years	=	2.10234924
\$1 each year for 3 years	=	3.23289455	\$1 each year for 20 years	=	30.22530198
\$1 in 4 years	=	1.16022167	\$1 in 21 years	=	2.18192645
\$1 each year for 4 years	=	4.39311622	\$1 each year for 21 years	=	32.40722843
\$1 in 5 years	=	1.20413787	\$1 in 22 years	=	2.26451577
\$1 each year for 5 years	=	5.59725409	\$1 each year for 22 years	=	34.67174420
\$1 in 6 years	=	1.24971637	\$1 in 23 years	=	2.35023123
\$1 each year for 6 years	=	6.84697046	\$1 each year for 23 years	=	37.02197543
\$1 in 7 years	=	1.29702008	\$1 in 24 years	=	2.43919115
\$1 each year for 7 years	=	8.14399054	\$1 each year for 24 years	=	39.46116658
\$1 in 8 years	=	1.34611432	\$1 in 25 years	=	2.53151835
\$1 each year for 8 years	=	9.49010486	\$1 each year for 25 years	=	41.99268493
\$1 in 9 years	=	1.39706685	\$1 in 26 years	=	2.62734027
\$1 each year for 9 years	=	10.88717171	\$1 each year for 26 years	=	44.62002520
\$1 in 10 years	=	1.44994801	\$1 in 27 years	=	2.72678921
\$1 each year for 10 years	=	12.33711972	\$1 each year for 27 years	=	47.34681441
\$1 in 11 years	=	1.50483081	\$1 in 28 years	=	2.83000244
\$1 each year for 11 years	=	13.84195053	\$1 each year for 28 years	=	50.17681685
\$1 in 12 years	=	1.56179100	\$1 in 29 years	=	2.93712245
\$1 each year for 12 years	=	15.40374153	\$1 each year for 29 years	=	53.11393930
\$1 in 13 years	=	1.62090723	\$1 in 30 years	=	3.04829712
\$1 each year for 13 years	=	17.02464876	\$1 each year for 30 years	=	56.16223642
\$1 in 14 years	=	1.68226110	\$1 in 31 years	=	3.16367992
\$1 each year for 14 years	=	18.70690986	\$1 each year for 31 years	=	59.32591634
\$1 in 15 years	=	1.74593731	\$1 in 32 years	=	3.28343013
\$1 each year for 15 years	=	20.45284717	\$1 each year for 32 years	=	62.60934647
\$1 in 16 years	=	1.81202377	\$1 in 33 years	=	3.40771308
\$1 each year for 16 years	=	22.26487094	\$1 each year for 33 years	=	66.01705955
\$1 in 17 years	=	1.88061170	\$1 in 34 years	=	3.53670034
\$1 each year for 17 years	=	24.14548264	\$1 each year for 34 years	=	69.55375989
\$1 in 18 years	=	1.95179579	\$1 in 35 years	=	3.67056997
\$1 each year for 18 years	=	26.09727843	\$1 each year for 35 years	=	73.22432986

INDEX.

A.

	PAGE
Alewife Brook,	33

B.

Boston and Cambridge, Charles River Bridge,	43, 44
Boulevards. See "Metropolitan Parks."	

C.

Charles River Basin Loan: —

Adjustment of: —

Charles River Basin Interest,	47
Charles River Basin Maintenance,	48
Charles River Basin Serial Bonds,	49
Charles River Basin Assessment, how made up,	43
Charles River Basin Loan Sinking Fund (Charles River Bridge),	44
Charles River Basin Loan Sinking Fund (District),	44
Charles River Basin Debt Analyzed,	44
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements,	46
Proportion in Percentages to be paid annually,	45
Charles River Bridge, Boston and Cambridge,	43, 44
Comparison of 1915 and 1916 Parks and Sewerage Assessments,	42
Comparison of 1915 and 1916 Water Assessments,	10

D.

Debts of the Metropolitan District,	50, 51
---	--------

E.

Everett and Malden, Special Assessment. See "Metropolitan Sewerage, North System."	
--	--

G.

Gross Charles River Basin Loan Debt, April 1, 1916,	43
Gross Metropolitan Parks Debt, April 1, 1916,	11
Gross Metropolitan Parks, Series 2 (Boulevards) Debt, April 1, 1916,	11
Gross Metropolitan Sewerage (North System) Debt, April 1, 1916,	36
Gross Metropolitan Sewerage (South System) Debt, April 1, 1916,	37
Gross Metropolitan Water Debt, April 1, 1916,	7

	PAGE
Malden and Everett, Special Assessment. See "Metropolitan Sewerage, North System."	
Metropolitan Districts, Total Assessment of,	6
Metropolitan Parks: —	
Adjustment of: —	
Parks Sinking Fund,	16
Boulevards Sinking Fund,	17
Nantasket Sinking Fund,	18
Parks Interest,	19
Boulevards Interest,	20
Nantasket Interest,	21
Parks Maintenance,	22
Boulevards Maintenance,	23
Nantasket Maintenance,	24
Wellington Bridge maintenance,	25
Parks Serial Bonds,	26
Boulevards Serial Bonds,	27
Assessment, how made up,	11, 12
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	13
Neponset Bridge, Special Assessment,	34
Newton-Weston Bridge, Special Assessment,	35
Proportion in Percentages to be paid annually,	14
Proportion of Parks, Boulevards and Nantasket Sinking Fund and Total Sinking Fund,	28
Proportion of Parks, Boulevards and Nantasket Interest and Total Interest,	29
Proportion of Parks, Boulevards, Wellington Bridge and Nantasket Maintenance and Total Maintenance,	30
Proportion of Parks and Boulevards Serial Bonds and Total Serial Bonds,	31
Sinking Fund, Parks,	15
Sinking Fund, Boulevards, Series 2,	15
Sinking Fund, Nantasket,	15
Metropolitan Parks and Sewerage Loans, Comparison of 1915 and 1916 Assessments,	42
Metropolitan Sewerage Loan, North System: —	
Amounts provided for and to be provided for,	39
Assessments, how made up,	36
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	38
Everett and Malden, special assessment,	36
Proportion in Percentages to be paid annually,	39
Revere, Special assessment,	37
Sinking Fund,	38
Metropolitan Sewerage Loan, South System: —	
Amounts provided for and to be provided for,	41
Assessments, how made up,	37
Division of Assessment into Sinking Fund, Interest and Maintenance Requirements,	40
Proportion in Percentages to be paid annually,	41
Sinking Fund,	40
Metropolitan Water Loan: —	
Assessment, how made up,	7
Comparison of Total 1915 and 1916 Assessments,	10

Metropolitan Water Loan — <i>Concluded.</i>	PAGE
Computations for determining Assessment,	8
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	9
Sinking Fund,	8

N.

Nantasket. See "Metropolitan Parks."	
Neponset Bridge. See "Metropolitan Parks."	
Newton-Weston Bridge. See "Metropolitan Parks."	
Net Charles River Basin Loan Debt, April 1, 1916,	43
Net Metropolitan Parks Debt, April 1, 1916,	11
Net Metropolitan Parks, Series 2, Debt, April 1, 1916,	11
Net Metropolitan Sewerage (North System) Debt, April 1, 1916,	36
Net Metropolitan Sewerage (South System) Debt, April 1, 1916,	37
Net Metropolitan Water Debt, April 1, 1916,	7
Net Water Debt of Cities in Original Metropolitan Water District,	10

O.

Outlet for Sewage of Malden and Everett,	36
Outlet for Sewage of Revere,	37

P.

Parks. See "Metropolitan Parks."

R.

Revenue from Water received by Cities and Towns, 1915,	10
Revere, Special Assessment. See "Metropolitan Sewerage, North System."	

S.

Sewerage Loan. See "Metropolitan Sewerage Loan."	
Sinking Fund Tables,	53, 54

T.

Total Assessments of Metropolitan Districts,	6
--	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District,	10
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1915,	10
Wellington Bridge: —	
Adjustment of: —	
Serial Bonds,	32
Interest,	32
Maintenance,	25
Maintenance assessments on certain cities and towns,	33
Reconstruction,	32

The Commonwealth of Massachusetts.

1917

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
32 DERNE STREET.
1917.

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 1, 1917.

Under the provisions of chapter 526 of the Acts of 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1917, to be paid by the cities and towns comprising the metropolitan district, are compiled and printed as a public document and herewith submitted.

There have been issued during the year 1917, on account of the metropolitan district, bonds to the amount of \$759,000, bearing interest at the rate of 4 per cent. and divided as follows:—

Metropolitan Parks Loan.

- \$4,000. Chapter 265, General Acts of 1916 (\$2,500), and Chapter 146, Resolves of 1916 (\$1,500), providing for further protection of the public health in the valley of the Neponset River. Bonds to the amount of \$105,500 have been issued to date for this purpose. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.
- \$50,000. Chapter 439, Acts of 1911, an act relative to rebuilding existing bridges over Charles River. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.

Metropolitan Parks Loan, Series Two (Parkways and Boulevards).

- \$200,000. Chapter 699, Acts of 1912, an act to provide for the purchase of land and construction of certain parkways and boulevards by the Metropolitan Park Commission; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth. Bonds to the amount of \$1,000,000 have been issued to date under the above act.
- \$20,000. Chapter 186, General Acts of 1916, an act to authorize the Metropolitan Park Commission to improve certain lands given to the Commonwealth by the town of Arlington; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth.

\$10,000. Chapter 237, General Acts of 1916, an act to enable the Metropolitan Park Commission to complete the construction of the Dedham Parkway; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth.

Metropolitan Sewerage Loan, North System.

\$285,000. Chapter 159, General Acts of 1916, an act to provide for the addition of the town of Reading to the north metropolitan sewerage district. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, north system. The town of Reading shall, in addition to the yearly payment of the regular assessments for serial bonds and interest requirements, pay into the treasury of the Commonwealth for the sinking fund of the north metropolitan sewerage district the sum of \$35,000, as follows: one-fifth of said amount shall be added to the yearly sum payable by said town on account of its share of the interest and sinking fund requirements of the district for the succeeding five years.

Metropolitan Sewerage Loan, South System.

\$40,000. Chapter 93, General Acts of 1916, an act to authorize the Metropolitan Water and Sewerage Board to make improvements at the Ward Street pumping station in the city of Boston. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, south system.

Metropolitan Water Loan.

\$150,000. Chapter 172, General Acts of 1916, an act to authorize the Metropolitan Water and Sewerage Board to make certain improvements in the metropolitan water system. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan water district.

CHARLES L. BURRILL,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1917.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington, . . .	\$20,544 00	\$11,862 66	\$16,274 29N	\$1,789 54	\$50,470 49
Belmont, . . .	11,132 99	7,189 54	10,493 59N	1,062 11	29,878 23
Boston, . . .	1,752,004 76	775,829 27	$\left\{ \begin{array}{l} 86,378 26N \\ 235,799 31S \end{array} \right\}$	219,919 87	3,069,931 47
Braintree, . . .	—	4,864 27	—	849 12	5,713 39
Brookline, . . .	—	65,011 55	98,199 48S	15,585 81	178,796 84
Cambridge, . . .	—	72,469 54	119,189 91N	38,546 58	230,206 03
Canton, . . .	—	3,515 41	—	666 58	4,181 99
Chelsea, . . .	55,819 61	18,856 25	32,918 90N	2,953 98	110,548 74
Cohasset, . . .	—	306 53	—	—	306 53
Dedham, . . .	—	7,850 21	11,858 16S	1,557 20	21,265 57
Dover, . . .	—	2,963 00	—	735 73	3,698 73
Everett, . . .	54,125 31	18,878 00	34,098 01N	3,225 03	110,326 35
Hingham, . . .	—	4,489 63	—	940 40	5,430 03
Hull, . . .	—	3,498 10	—	815 94	4,314 04
Lexington, . . .	9,357 91	—	5,617 61N	—	14,975 52
Lynn, . . .	—	50,862 90	—	8,961 49	59,824 39
Malden, . . .	51,636 95	29,681 75	45,105 54N	4,569 25	130,993 49
Medford, . . .	33,666 75	21,210 67	29,056 20N	2,962 27	86,895 89
Melrose, . . .	18,835 83	10,464 99	17,657 22N	1,974 84	48,932 88
Milton, . . .	18,284 15	15,365 56	21,585 77S	3,650 98	58,886 46
Nahant, . . .	5,539 95	6,007 03	—	1,518 48	13,065 46
Needham, . . .	—	4,424 51	—	862 96	5,287 47
Newton, . . .	6,523 29	43,668 93	62,161 76S	8,991 92	121,345 90
Quincy, . . .	59,042 03	26,113 47	35,572 23S	3,667 58	124,395 31
Reading, . . .	—	—	12,051 52N	—	12,051 52
Revere, . . .	31,688 52	12,216 63	22,591 16N	2,052 29	68,548 60
Saugus, . . .	—	4,306 41	—	661 05	4,967 46
Somerville, . . .	118,425 67	47,509 05	74,814 24N	7,335 15	248,084 11
Stoneham, . . .	8,614 63	4,127 06	6,121 29N	550 41	19,413 39
Swampscott, . . .	12,460 26	7,983 03	—	1,764 64	22,207 93
Wakefield, . . .	—	6,650 59	11,819 32N	1,158 91	19,628 82
Waltham, . . .	—	17,745 37	26,182 68S	3,277 58	47,205 63
Watertown, . . .	24,045 68	10,580 13	16,825 40S	2,021 87	53,473 08
Wellesley, . . .	—	8,716 51	17,693 81S	1,999 74	28,410 06
Weston, . . .	—	5,542 47	—	1,145 08	6,687 55
Westwood, . . .	—	2,039 73	—	470 21	2,509 94
Weymouth, . . .	—	6,520 56	—	1,070 40	7,590 96
Winchester, . . .	—	8,497 74	14,946 29N	1,775 71	25,219 74
Winthrop, . . .	16,564 45	8,800 43	14,162 24N	1,728 68	41,255 80
Woburn, . . .	—	7,767 29	14,486 46N	1,286 14	23,539 89
	\$2,308,312 74	\$1,364,386 77 ¹	\$1,093,660 65 ²	\$354,105 52 ³	\$5,120,465 68

N, North System.

S, South System.

¹ Includes \$36,957.46, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.² Includes \$18,165.23, special assessments on Everett and Malden, Reading, Revere and Wellesley.³ Includes \$51,519.70, special assessments on Boston and Cambridge, and \$25,996.46, embankment interest on Boston.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1917.

Gross water debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$41,398,000 00	
Bonds outstanding (serial), :	1,250,000 00	
	<hr/>	\$42,648,000 00

an increase for the year of \$118,000.

Sinking fund, April 1, 1917,	13,395,706 65
	<hr/>

an increase for the year of \$743,781.99.

Net water debt, April 1, 1917,	\$29,252,293 35
--	-----------------

a decrease for the year of \$625,781.99.

Total Water Assessment for 1917.

Sinking fund requirements,	\$260,500 34
Serial bonds,	\$37,000 00
Less premium,	1,260 00
	<hr/>
	35,740 00

Interest:—

One year on \$41,398,000,	\$1,393,435 00
Six months on \$1,132,000,	21,777 50
Six months on \$1,250,000,	24,162 50
Interest on advances and temporary loans, estimated, 1917,	30,000 00
	<hr/>
	\$1,469,375 00

Less accrued interest, \$683 33

Adjustment of interest charges in
1916, 4,533 52

5,216 85

1,464,158 15

Maintenance as appropriated by Legislature, \$572,900 00

Less balance on hand, 24,985 75

547,914 25

Total water assessment for 1917,	\$2,308,312 74
--	----------------

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1917.
\$13,000,000	July, 1935	\$5,510,539 05	\$11,465,696 30	\$1,534,303 70	\$59,608 25
4,000,000	Jan. 1938	1,445,186 10	3,319,945 73	680,054 27	21,178 88
4,000,000	July, 1939	1,266,213 91	3,086,844 86	913,155 14	26,539 60
10,000,000	Jan. 1941	2,747,114 44	7,106,978 31	2,893,021 69	73,643 91
3,500,000	Jan. 1942	907,357 94	2,442,233 74	1,057,766 26	25,262 50
2,000,000	Jan. 1943	463,993 31	1,299,333 52	700,666 48	15,723 20
2,000,000	Jan. 1944	424,399 43	1,236,471 35	763,528 65	16,120 81
650,000	Jan. 1945	158,248 69	479,677 92	170,322 08	3,387 71
1,350,000	Jan. 1946	245,978 78	775,724 66	574,275 34	10,772 87
398,000	Jan. 1949	49,470 03	175,692 47	222,307 53	3,519 93
500,000	Jan. 1950	49,697 68	183,631 61	316,368 39	4,742 63
\$41,398,000	—	\$13,268,199 36	\$31,572,230 47	\$9,825,769 53	\$260,500 34

Computations for Determining the Assessment for 1917. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1916.	Average Daily Con- sumption (Gallons), 1916.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington,	\$19,475,132	929,400	.009220	.008740	.008900
Belmont,	12,775,228	447,800	.006048	.004211	.004823
Boston,	1,617,137,679	80,358,800	.765605	.755694	.758998
Chelsea,	31,233,160	3,070,900	.014787	.028879	.024182
Everett,	33,718,950	2,891,400	.015963	.027191	.023448
Lexington,	10,218,746	389,400	.004838	.003662	.004054
Malden,	44,012,091	2,460,200	.020837	.023136	.023370
Medford,	33,343,250	1,487,000	.015786	.013984	.014585
Melrose,	20,647,150	781,800	.009775	.007352	.008160
Milton,	35,438,639	371,300	.016778	.003492	.007921
Nahant,	8,890,028	159,000	.004209	.001495	.002400
Newton, ¹	17,909,212	—	.008479	—	.002826
Quincy,	62,789,130	2,499,400	.029726	.023504	.025578
Revere,	23,772,950	1,591,200	.011255	.014964	.013728
Somerville,	79,445,729	6,183,600	.037612	.058150	.051304
Stoneham,	6,249,645	437,900	.002959	.004118	.003732
Swampscott,	16,517,900	445,400	.007820	.004188	.005398
Watertown,	21,301,892	1,125,500	.010085	.010584	.010417
Winthrop,	17,359,050	707,800	.008218	.006656	.007176
	\$2,112,235,561	106,337,800	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1917.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$13,031 01	\$2,318 46	\$4,876 44	\$318 09	\$20,544 00
Belmont, . . .	7,061 63	1,256 39	2,642 59	172 38	11,132 99
Boston, . . .	1,111,293 11	197,719 24	415,865 82	27,126 59	1,752,004 76
Chelsea, . . .	35,406 27	6,299 42	13,249 66	864 26	55,819 61
Everett, . . .	34,331 58	6,108 21	12,847 49	838 03	54,125 31
Lexington, . . .	5,935 70	1,056 07	2,221 25	144 89	9,357 91
Malden, . . .	32,753 22	5,827 39	12,256 84	799 50	51,636 95
Medford, . . .	21,354 75	3,799 40	7,991 33	521 27	33,666 75
Melrose, . . .	11,947 53	2,125 68	4,470 98	291 64	18,835 83
Milton, . . .	11,597 60	2,063 42	4,340 03	283 10	18,284 15
Nahant, . . .	3,513 98	625 20	1,314 99	85 78	5,539 95
Newton, . . .	4,137 71	736 17	1,548 41	101 00	6,523 29
Quincy, . . .	37,450 24	6,663 08	14,014 55	914 16	59,042 03
Revere, . . .	20,099 96	3,576 15	7,521 77	490 64	31,688 52
Somerville, . . .	75,117 17	13,364 71	28,110 19	1,833 60	118,425 67
Stoneham, . . .	5,464 24	972 19	2,044 82	133 38	8,614 63
Swampscott, . . .	7,903 52	1,406 18	2,957 64	192 92	12,460 26
Watertown, . . .	15,252 13	2,713 63	5,707 62	372 30	24,045 68
Winthrop, . . .	10,506 80	1,869 35	3,931 83	256 47	16,564 45
	\$1,464,158 15	\$260,500 34	\$547,914 25	\$35,740 00	\$2,308,312 74

Comparison of Total Assessments, 1916 and 1917, with Revenue from Water Rates in 1916.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1916.
	1916.	1917.	
Arlington,	\$18,118 96	\$20,544 00	\$66,043 77 ¹
Belmont,	10,143 81	11,132 99	29,123 51 ¹
Boston,	1,669,432 79	1,752,004 76	3,109,349 21 ²
Chelsea,	52,114 06	55,819 61	121,812 10
Everett,	48,779 28	54,125 31	112,689 89 ¹
Lexington,	8,698 76	9,357 91	23,940 11
Malden,	47,323 31	51,636 95	112,998 73 ²
Medford,	28,997 29	33,666 75	81,262 05 ¹
Melrose,	18,936 29	18,835 83	49,338 50 ¹
Milton,	16,874 40	18,284 15	46,083 98
Nahant,	5,324 75	5,539 95	7,047 83 ³
Newton,	6,183 51 ⁴	6,523 29 ⁴	— ⁴
Quincy,	51,468 91	59,042 03	161,830 14 ²
Revere,	29,548 74	31,688 52	89,223 54 ¹
Somerville,	110,468 29	118,425 67	248,427 29
Stoneham,	7,506 52	8,614 63	24,802 76 ²
Swampscott,	11,937 62	12,460 26	47,380 35
Watertown,	21,708 75	24,045 68	86,771 91 ¹
Winthrop,	16,026 55	16,564 45	48,767 21 ³
	\$2,179,592 59	\$2,308,312 74	\$4,466,892 88

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering and other municipal purposes.

³ No money received for water used for street watering.

⁴ Not taking water from the district.

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1916.	Jan. 1, 1917.	Decrease.
Boston,	\$400,000 00	\$384,000 00	\$16,000 00
Somerville,	21,000 00	16,000 00	5,000 00
Chelsea,	101,414 00	84,005 00	17,409 00
Everett,	46,083 18	38,017 41	8,065 77
Malden,	30,080 11	24,581 85	5,498 26
Medford, ¹	—7,336 40	—6,981 29	—355 11 ²
Melrose,	89,875 79	91,956 70	2,080 91 ²
	\$681,116 68	\$631,579 67	\$49,537 01

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	272,750 00	
	<hr/>	\$9,757,750 00

an increase for the year of \$36,750.

Sinking fund, April 1, 1917,	3,297,605 22	
	<hr/>	

an increase for the year of \$174,623.77.

Net parks debt, April 1, 1917,	\$6,460,144 78	
--	----------------	--

a decrease for the year of \$137,873.77.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1917:—

Bonds outstanding (sinking fund) (one-half), . .	\$2,567,500 00	
Bonds outstanding (serial) (one-half),	536,000 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts, 1915),	72,450 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts, 1915),	259,875 00	
	<hr/>	\$3,435,825 00

an increase for the year of \$81,193.75.

Sinking fund, April 1, 1917,	\$47,088 15	
	<hr/>	

an increase for the year of \$45,625.52.

Net parks, series two (boulevards), debt, April 1, 1917, . .	\$2,588,736 85	
--	----------------	--

an increase for the year of \$35,568.23.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1917 is made up as follows:—

Parks sinking fund,	\$55,708 97	
Parks, series two, sinking fund,	13,726 00	
Nantasket sinking fund,	3,625 85	
Parks, serial bonds,	\$20,250 00	
Less premium,	453 60	
	<hr/>	19,796 40
Parks, series two, serial bonds,	\$27,193 75	
Less premium,	966 00	
	<hr/>	26,227 75
	<hr/>	

Amount carried forward,	\$119,084 97	
-----------------------------------	--------------	--

<i>Amount brought forward,</i>		\$119,084 97	
Parks interest: —			
One year on \$8,785,000,	\$301,225 00		
Six months on \$211,000,	4,090 00		
Six months on \$250,750,	4,891 88		
Interest on advances and temporary loans, estimated, 1917,	10,000 00		
Adjustment of interest charges in 1916,	1,992 13		
		\$322,199 01	
Less accrued interest,		245 97	
			321,953 04
Parks, series two, interest: —			
One year on \$2,567,500,	\$87,737 50		
Six months on \$526,368.75,	10,527 37		
Six months on \$625,675,	12,513 50		
Interest on advances and temporary loans, estimated, 1917,	2,000 00		
		\$112,778 37	
Accrued interest,	\$523 89		
Adjustment of interest charges in 1916,	11,661 46		
		12,185 35	
			100,593 02
Nantasket interest: —			
One year on \$700,000,			21,000 00
Parks maintenance as appropriated by Legislature,			
		\$584,091 20	
Less balance on hand,		27,938 54	
			556,152 66
Boulevards maintenance, one-half,		\$162,101 77	
Less balance on hand, one-half,		1,649 48	
			160,452 29
Nantasket maintenance,		\$45,361 65	
Less balance on hand,		2 65	
			45,359 00
Wellington Bridge maintenance, one-quarter,		\$2,944 65	
Less balance on hand, one-quarter,		110 32	
			2,834 33
Total parks assessment for 1917,			\$1,327,429 31

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington,	\$472 60	\$2,869 12	\$5,769 99	\$297 77	\$9,409 48
Belmont,	280 48	1,702 80	3,291 85	176 74	5,451 87
Boston,	44,410 61	269,615 71	427,100 73	27,982 22	769,109 27
Braintree,	224 27	1,361 48	3,137 22	141 30	4,864 27
Brookline,	4,116 07	24,988 57	33,313 45	2,593 46	65,011 55
Cambridge,	3,376 88	20,500 94	41,659 89	2,127 70	67,665 41
Canton,	176 04	1,068 74	2,159 71	110 92	3,515 41
Chelsea,	780 10	4,736 02	12,848 59	491 54	18,856 25
Cohasset,	15 88	91 98	198 67	-	306 53
Dedham,	411 26	2,496 75	4,683 09	259 11	7,850 21
Dover,	194 31	1,179 63	1,466 63	122 43	2,963 00
Everett,	851 72	5,170 69	12,318 94	536 65	18,878 00
Hingham,	248 34	1,507 64	2,577 16	156 49	4,489 63
Hull,	215 49	1,308 25	1,838 59	135 77	3,498 10
Lynn,	2,366 66	14,367 95	32,637 11	1,491 18	50,862 90
Malden,	1,206 67	7,325 70	16,651 82	760 32	25,944 51
Medford,	782 34	4,749 54	10,586 19	492 92	16,610 99
Melrose,	521 50	3,166 07	6,448 80	328 62	10,464 99
Milton,	964 18	5,833 55	7,940 31	607 52	15,365 56
Nahant,	401 03	2,434 65	2,918 68	252 67	6,007 03
Needham,	227 92	1,383 65	2,669 35	143 59	4,424 51
Newton,	2,374 70	14,416 74	23,411 24	1,496 25	41,698 93
Quincy,	968 57	5,880 16	13,614 46	610 28	21,073 47
Revere,	542 00	3,290 48	8,042 65	341 50	12,216 63
Saugus,	174 58	1,059 87	2,961 97	109 99	4,306 41
Somerville,	1,937 13	11,760 32	28,202 18	1,220 56	43,120 19
Stonham,	145 35	882 45	2,288 98	91 58	3,468 36
Swampscott,	466 01	2,829 19	4,394 20	293 63	7,983 03
Wakefield,	306 05	1,858 03	4,293 67	192 84	6,650 59
Waltham,	865 58	5,254 97	11,079 43	545 39	17,745 37
Watertown,	533 97	3,241 69	6,468 04	336 43	10,580 13
Wellesley,	528 13	3,206 21	4,649 41	332 76	8,716 51
Weston,	302 41	1,835 85	2,425 67	190 54	4,754 47
Westwood,	124 20	754 03	1,083 26	78 24	2,039 73
Weymouth,	282 67	1,716 10	4,343 68	178 11	6,520 56
Winchester,	468 94	2,846 94	4,886 39	295 47	8,497 74
Winthrop,	456 52	2,771 54	5,284 72	287 65	8,800 43
Woburn,	339 66	2,062 06	5,151 56	214 01	7,767 29
	\$73,060 82	\$443,546 06	\$764,798 28	\$46,024 15	\$1,327,429 31 ¹

¹ Exclusive of \$36,957.46, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.

METROPOLITAN PARKS.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	Parks (excepting Maintenance) and Boulevards.	Parks Maintenance.	Nantasket.
Arlington, . . . . .	.00647	.00795	.00644
Belmont, . . . . .	.00384	.00448	.00382
Boston, . . . . .	.60799	.54008	.60533
Braintree, . . . . .	.00307	.00449	.00306
Brookline, . . . . .	.05635	.03878	.05610
Cambridge, . . . . .	.04623	.05758	.04603
Canton, . . . . .	.00241	.00298	.00240
Chelsea, . . . . .	.01068	.01910	.01063
Cohasset,	—	—	.00438
Dedham, . . . . .	.00563	.00631	.00561
Dover, . . . . .	.00266	.00164	.00265
Everett, . . . . .	.01166	.01778	.01161
Hingham, . . . . .	.00340	.00336	.00338
Hull, . . . . .	.00295	.00220	.00294
Lynn, . . . . .	.03240	.04654	.03226
Malden, . . . . .	.01652	.02375	.01644
Medford, . . . . .	.01071	.01502	.01067
Melrose, . . . . .	.00714	.00892	.00710
Milton, . . . . .	.01320	.00933	.01314
Nahant, . . . . .	.00549	.00319	.00547
Needham, . . . . .	.00312	.00363	.00311
Newton, . . . . .	.03251	.02991	.03237
Quincy, . . . . .	.01326	.01951	.01320
Revere, . . . . .	.00742	.01168	.00739
Saugus, . . . . .	.00239	.00443	.00238
Somerville, . . . . .	.02652	.04077	.02640
Stoneham, . . . . .	.00199	.00337	.00198
Swampscott, . . . . .	.00638	.00551	.00635
Wakefield, . . . . .	.00419	.00615	.00417
Waltham, . . . . .	.01185	.01548	.01180
Watertown, . . . . .	.00731	.00889	.00728
Wellesley, . . . . .	.00723	.00565	.00720
Weston, . . . . .	.00414	.00281	.00412
Westwood, . . . . .	.00179	.00131	.00170
Weymouth, . . . . .	.00387	.00636	.00385
Winchester, . . . . .	.00642	.00638	.00639
Winthrop, . . . . .	.00625	.00716	.00622
Woburn, . . . . .	.00465	.00752	.00463
	1.00000	1.00000	1.00000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1917.
\$125,000	Jan., 1928	\$44,828 14	\$69,303 39	\$55,696 61	\$4,121 29
1,300,000	Jan., 1934	555,621 74	1,089,394 21	210,605 79	8,856 75
2,000,000	Jan., 1936	782,533 00	1,660,768 82	339,231 18	12,211 48
1,400,000	Jan., 1937	524,547 17	1,158,220 94	241,779 06	8,055 72
1,000,000	July, 1938	355,812 82	833,736 80	166,263 20	5,177 92
505,000	July, 1939	170,882 08	416,585 59	88,414 41	2,569 64
650,000	Jan., 1941	243,056 45	628,804 13	21,195 87	539 55
125,000	Jan., 1943	30,319 99	84,905 92	40,094 08	899 72
340,000	July, 1943	86,199 95	246,215 90	93,784 10	2,104 54
300,000	Jan., 1944	64,421 06	187,688 27	112,311 73	2,371 30
370,000	Jan., 1945	69,401 67	210,367 92	159,632 08	3,175 09
300,000	Jan., 1946	55,368 19	174,610 47	125,389 53	2,352 19
300,000	Jan., 1947	46,232 08	151,688 87	148,311 13	2,626 78
70,000	Jan., 1949	8,737 92	31,032 66	38,967 34	617 00
\$8,785,000	-	\$3,037,962 26	\$6,943,323 89	\$1,841,676 11	\$55,708 97

Nantasket.

\$600,000	July, 1939	\$204,666 65	\$498,947 44	\$101,052 56	\$2,936 95
100,000	Jan., 1941	28,192 99	72,937 24	27,062 76	688 90
\$700,000	-	\$232,859 64	\$571,884 68	\$128,115 32	\$3,625 85

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1917.
\$250,000	Jan., 1934	\$115,198 61	\$225,867 15	\$24,132 85	\$1,014 00
300,000	Jan., 1936	126,759 75	269,022 06	30,977 94	1,115 00
500,000	Jan., 1937	202,447 63	447,012 39	52,987 61	1,772 00
50,000	July, 1938	19,263 33	45,137 63	4,862 37	151 00
250,000	July, 1939	92,387 78	225,227 93	24,772 07	719 00
225,000	Jan., 1940	66,098 69	164,361 75	60,638 25	1,647 00
162,500	July, 1940	54,377 64	137,920 37	24,579 63	667 00
55,000	Jan., 1943	14,192 07	39,742 45	15,257 55	342 00
150,000	July, 1943	35,105 49	100,273 03	49,726 97	1,115 00
150,000	Jan., 1944	33,959 12	98,938 59	51,061 41	1,078 00
150,000	Jan., 1945	29,314 98	88,858 55	61,141 45	1,216 00
150,000	Jan., 1946	24,078 46	75,934 42	74,065 58	1,380 00
150,000	Jan., 1947	23,890 17	78,384 38	71,615 62	1,268 00
25,000	Jan., 1949	2,889 14	10,260 76	14,739 24	233 00
\$2,567,500	-	\$839,962 86	\$2,006,941 46	\$560,558 54	\$13,726 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$360 44	\$88 81	\$23 35	\$472 60
Belmont, . . .	213 92	52 71	13 85	280 48
Boston, . . .	33,870 50	8,345 27	2,194 84	44,410 61
Braintree, . . .	171 03	42 14	11 10	224 27
Brookline, . . .	3,139 20	773 46	203 41	4,116 07
Cambridge, . . .	2,575 43	634 55	166 90	3,376 88
Canton, . . .	134 26	33 08	8 70	176 04
Chelsea, . . .	594 97	146 59	38 54	780 10
Cohasset, . . .	—	—	15 88	15 88
Dedham, . . .	313 64	77 28	20 34	411 26
Dover, . . .	148 19	36 51	9 61	194 31
Everett, . . .	649 57	160 05	42 10	851 72
Hingham, . . .	189 41	46 67	12 26	248 34
Hull, . . .	164 34	40 49	10 66	215 49
Lynn, . . .	1,804 97	444 72	116 97	2,366 66
Malden, . . .	920 31	226 75	59 61	1,206 67
Medford, . . .	596 64	147 01	38 69	782 34
Melrose, . . .	397 76	98 00	25 74	521 50
Milton, . . .	735 36	181 18	47 64	964 18
Nahant, . . .	305 84	75 36	19 83	401 03
Needham, . . .	173 81	42 83	11 28	227 92
Newton, . . .	1,811 10	446 23	117 37	2,374 70
Quincy, . . .	738 70	182 01	47 86	968 57
Revere, . . .	413 36	101 85	26 79	542 00
Saugus, . . .	133 14	32 81	8 63	174 58
Somerville, . . .	1,477 40	364 01	95 72	1,937 13
Stoneham, . . .	110 86	27 31	7 18	145 35
Swampscott, . . .	355 42	87 57	23 02	466 01
Wakefield, . . .	233 42	57 51	15 12	306 05
Waltham, . . .	660 15	162 65	42 78	865 58
Watertown, . . .	407 23	100 34	26 40	533 97
Wellesley, . . .	402 78	99 24	26 11	528 13
Weston, . . .	230 64	56 83	14 94	302 41
Westwood, . . .	94 71	23 33	6 16	124 20
Weymouth, . . .	215 59	53 12	13 96	282 67
Winchester, . . .	357 65	88 12	23 17	468 94
Winthrop, . . .	348 18	85 79	22 55	456 52
Woburn, . . .	259 05	63 82	16 79	339 66
	\$55,708 97	\$13,726 00	\$3,625 85	\$73,060 82

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$2,083 04	\$650 84	\$135 24	\$2,869 12
Belmont, . . .	1,236 30	386 28	80 22	1,702 80
Boston, . . .	195,744 23	61,159 55	12,711 93	269,615 71
Braintree, . . .	988 40	308 82	64 26	1,361 48
Brookline, . . .	18,142 05	5,668 42	1,178 10	24,988 57
Cambridge, . . .	14,883 89	4,650 42	966 63	20,500 94
Canton, . . .	775 91	242 43	50 40	1,068 74
Chelsea, . . .	3,438 46	1,074 33	223 23	4,736 02
Cohasset, . . .	—	—	91 98	91 98
Dedham, . . .	1,812 60	566 34	117 81	2,496 75
Dover, . . .	856 40	267 58	55 65	1,179 63
Everett, . . .	3,753 97	1,172 91	243 81	5,170 69
Hingham, . . .	1,094 64	342 02	70 98	1,507 64
Hull, . . .	949 76	296 75	61 74	1,308 25
Lynn, . . .	10,431 28	3,259 21	677 46	14,367 95
Malden, . . .	5,318 66	1,661 80	345 24	7,325 70
Medford, . . .	3,448 12	1,077 35	224 07	4,749 54
Melrose, . . .	2,298 74	718 23	149 10	3,166 07
Milton, . . .	4,249 78	1,327 83	275 94	5,853 55
Nahant, . . .	1,767 52	552 26	114 87	2,434 65
Needham, . . .	1,004 49	313 85	65 31	1,383 65
Newton, . . .	10,466 69	3,270 28	679 77	14,416 74
Quincy, . . .	4,269 10	1,333 86	277 20	5,880 16
Revere, . . .	2,388 89	746 40	155 19	3,290 48
Saugus, . . .	769 47	240 42	49 98	1,059 87
Somerville, . . .	8,538 19	2,667 73	554 40	11,760 32
Stoneham, . . .	640 69	200 18	41 58	882 45
Swampscott, . . .	2,054 06	641 78	133 35	2,829 19
Wakefield, . . .	1,348 98	421 48	87 57	1,858 03
Waltham, . . .	3,815 14	1,192 03	247 80	5,254 97
Watertown, . . .	2,353 48	735 33	152 88	3,241 69
Wellesley, . . .	2,327 72	727 29	151 20	3,206 21
Weston, . . .	1,332 88	416 45	86 52	1,835 85
Westwood, . . .	547 32	171 01	35 70	754 03
Weymouth, . . .	1,245 96	389 29	80 85	1,716 10
Winchester, . . .	2,066 94	645 81	134 19	2,846 94
Winthrop, . . .	2,012 21	628 71	130 62	2,771 54
Woburn, . . .	1,497 08	467 75	97 23	2,062 06
	\$321,953 04	\$100,593 02	\$21,000 00	\$443,546 06

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington,	\$4,421 41	\$18 34	\$292 11	\$1,038 13	\$5,769 99
Belmont,	2,491 56	10 88	173 27	616 14	3,291 85
Boston,	300,366 93	1,723 25	27,457 16	97,553 39	427,100 73
Braintree,	2,497 13	8 70	138 80	492 59	3,137 22
Brookline,	21,567 60	159 72	2,544 64	9,041 49	33,313 45
Cambridge,	32,023 27	131 03	2,087 88	7,417 71	41,659 89
Canton,	1,657 33	6 83	108 86	386 69	2,159 71
Chelsea,	10,622 52	30 27	482 17	1,713 63	12,848 59
Cohasset,	—	—	198 67	—	198 67
Dedham,	3,509 32	15 96	254 46	903 35	4,683 09
Dover,	912 09	7 54	120 20	426 80	1,466 63
Everett,	9,888 40	33 05	526 62	1,870 87	12,318 94
Hingham,	1,868 67	9 64	153 31	545 54	2,577 16
Hull,	1,223 54	8 36	133 36	473 33	1,838 59
Lynn,	25,883 35	91 83	1,463 28	5,198 65	32,637 11
Malden,	13,208 63	46 82	745 70	2,650 67	16,651 82
Medford,	8,353 41	30 36	483 98	1,718 44	10,586 19
Melrose,	4,960 88	20 24	322 05	1,145 63	6,448 80
Milton,	5,188 91	37 41	596 02	2,117 97	7,940 31
Nahant,	1,774 13	15 56	248 11	880 88	2,918 68
Needham,	2,018 83	8 84	141 07	500 61	2,669 35
Newton,	16,634 53	92 14	1,468 27	5,216 30	23,411 24
Quincy,	10,850 54	37 58	598 74	2,127 60	13,614 46
Revere,	6,495 86	21 03	335 20	1,190 56	8,042 65
Saugus,	2,463 76	6 77	107 96	383 48	2,961 97
Somerville,	22,674 34	75 17	1,197 48	4,255 19	28,202 18
Stoneham,	1,874 23	5 64	89 81	319 30	2,288 98
Swampscott,	3,064 40	18 08	288 03	1,023 69	4,394 20
Wakefield,	3,420 34	11 88	189 15	672 30	4,293 67
Waltham,	8,609 24	33 59	535 24	1,901 36	11,079 43
Watertown,	4,944 20	20 72	330 21	1,172 91	6,468 04
Wellesley,	3,142 26	20 49	326 59	1,160 07	4,649 41
Weston,	1,562 79	11 73	186 88	664 27	2,425 67
Westwood,	728 56	4 82	77 11	272 77	1,083 26
Weymouth,	3,537 13	10 97	174 63	620 95	4,343 68
Winchester,	3,548 25	18 20	289 84	1,030 10	4,886 39
Winthrop,	3,982 05	17 71	282 13	1,092 83	5,284 72
Woburn,	4,182 27	13 18	210 01	746 10	5,151 56
	\$556,152 66	\$2,834 33	\$45,359 00	\$160,452 29	\$764,798 28

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$128 08	\$169 69	\$297 77
Belmont,	76 02	100 72	176 74
Boston,	12,036 01	15,946 21	27,982 22
Braintree,	60 78	80 52	141 30
Brookline,	1,115 53	1,477 93	2,593 46
Cambridge,	915 19	1,212 51	2,127 70
Canton,	47 71	63 21	110 92
Chelsea,	211 43	280 11	491 54
Dedham,	111 45	147 66	259 11
Dover,	52 66	69 77	122 43
Everett,	230 83	305 82	536 65
Hingham,	67 31	89 18	156 49
Hull,	58 40	77 37	135 77
Lynn,	641 40	849 78	1,491 18
Malden,	327 04	433 28	760 32
Medford,	212 02	280 90	492 92
Melrose,	141 35	187 27	328 62
Milton,	261 31	346 21	607 52
Nahant,	108 68	143 99	252 67
Needham,	61 76	81 83	143 59
Newton,	643 58	852 67	1,496 25
Quincy,	262 50	347 78	610 28
Revere,	146 89	194 61	341 50
Saugus,	47 31	62 68	109 99
Somerville,	525 00	695 56	1,220 56
Stoneham,	39 39	52 19	91 58
Swampscott,	126 30	167 33	293 63
Wakefield,	82 95	109 89	192 84
Waltham,	234 59	310 80	545 39
Watertown,	144 71	191 72	336 43
Wellesley,	143 13	189 63	332 76
Weston,	81 96	108 58	190 54
Westwood,	33 65	44 59	78 24
Weymouth,	76 61	101 50	178 11
Winchester,	127 09	168 38	295 47
Winthrop,	123 73	163 92	287 65
Woburn,	92 05	121 96	214 01
	\$19,796 40	\$26,227 75	\$46,024 15

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent.,	.	.	.	.	\$201,250 00	
Previously assessed,	.	.	.	.	11,500 00	
Outstanding,	.	.	.	.	\$189,750 00	
Serial bonds due Jan. 1, 1918,	.	.	.	.	.	\$11,500 00
Interest: —						
One year on \$189,750,	.	.	.	.	\$7,590 00	
Six months on \$11,500,	.	.	.	.	230 00	
						7,820 00
						\$19,320 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston,	20	\$4,000 00	\$2,720 00	\$6,720 00
City of Quincy,	15	3,000 00	2,040 00	5,040 00
County of Norfolk,	5	1,000 00	680 00	1,680 00
County of Plymouth,	2½	500 00	340 00	840 00
Bay State Street Railway Company, .	15	3,000 00	2,040 00	5,040 00
	57½	\$11,500 00	\$7,820 00	\$19,320 00

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 36S, Special Acts of 1915.]

Bonds issued, 50 per cent.,	\$25,000 00	
Previously assessed,	3,000 00	
Outstanding,	\$22,000 00	
Serial bonds due Jan. 1, 1918,		\$3,000 00
Interest: —		
One year on \$22,000,	\$880 00	
Six months on \$3,000,	60 00	
		940 00
		\$3,940 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton,	25	\$1,500 00	\$470 00	\$1,970 00
Town of Weston,	10	600 00	188 00	788 00
County of Middlesex,	15	900 00	282 00	1,182 00
	50	\$3,000 00	\$940 00	\$3,940 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent.,	\$66,125 00	
Previously assessed,	13,225 00	
Outstanding,	\$52,900 00	
Serial bonds due Jan. 1, 1918,		\$6,612 50
Interest: —		
One year on \$52,900,	\$2,116 00	
Six months on \$6,612.50,	132 25	
		2,248 25
		\$8,860 75

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden,	13	\$1,495 00	\$508 30	\$2,003 30
Medford,	16	1,840 00	625 60	2,465 60
Somerville,	11	1,265 00	430 10	1,695 10
Stoneham,	2½	287 50	97 75	385 25
Boston Elevated Railway Company, .	15	1,725 00	586 50	2,311 50
	57½	\$6,612 50	\$2,248 25	\$8,860 75

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden,	15.2941	\$1,733 94
Medford,	18.8235	2,134 08
Somerville,	12.9412	1,467 18
Stoneham,	2.9412	333 45
	50.0000	\$5,668 65

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907 and Chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent.).
Arlington,	\$1,636 79	\$816 39	\$2,453 18	24
Belmont,	1,159 39	578 28	1,737 67	17
Cambridge,	3,205 38	1,598 75	4,804 13	47
Somerville,	818 39	408 19	1,226 58	12
	\$6,819 95	\$3,401 61	\$10,221 56	100

¹ This table includes the seventh assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the fourth assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	860,500 00	
	<hr/>	\$7,423,500 00

an increase for the year of \$266,500.

Sinking fund, April 1, 1917,	2,302,758 88	
	<hr/>	

an increase for the year of \$182,018.55.

Net sewerage, north system, debt, April 1, 1917,	\$5,120,741 12	
--	----------------	--

an increase for the year of \$84,481.45.

Assessments, North System.

Sinking fund requirements,		\$114,807 52
Serial bonds,	\$24,000 00	
Less premium,	2,394 00	
	<hr/>	21,606 00

Interest:—

One year on \$7,371,000,	\$234,775 00	
Four months on \$14,000,	186 67	
	<hr/>	

\$234,961 67

Accrued interest, \$5,098 33

Adjustment of interest charges

in 1916, 2,857 58

7,955 91

227,005 76

Maintenance as appropriated by Legislature, \$209,000 00

Less balance on hand, 16,027 22

192,972 78

Total north metropolitan sewerage assessment, \$556,392 06

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued,	\$62,000 00	
Previously assessed,	14,000 00	
	<hr/>	

Outstanding, \$48,000 00

Assessment for 1917 is made up as follows:—

Serial bonds due Jan. 1, 1918,	\$2,000 00	
--	------------	--

Interest:—

One year on \$48,000, \$1,680 00

Four months on \$2,000, 23 33

1,703 33

\$3,703 33

Everett and Malden one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued,	\$5,500 00	
Previously assessed,	1,000 00	
		<hr/>
Outstanding,	\$4,500 00	
Assessment for 1917 is made up as follows: —		
Serial bond due Jan. 1, 1918,	\$500 00	
Interest: —		
One year on \$4,500,	\$180 00	
Four months on \$500,	6 66	
		<hr/>
	186 66	
		<hr/>
		\$686 66

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1917: —

Bonds outstanding (sinking fund),	\$8,877,912 00	
Bonds outstanding (serial),	385,000 00	
		<hr/>
		\$9,262,912 00

an increase for the year of \$30,000.

Sinking fund, April 1, 1917,	1,339,442 11	
		<hr/>

an increase for the year of \$129,578.75.

Net sewerage, south system, debt, April 1, 1917,	\$7,923,469 89	
--	----------------	--

a decrease for the year of \$99,578.75.

Assessments, South System.

Sinking fund requirements,		\$71,331 29
Serial bonds,	\$11,000 00	
Premium on serial bonds,	\$336 00	
Balance of 1916 premium,	1,274 80	
		<hr/>
	1,610 80	
		<hr/>
		9,389 20
Interest: —		
One year on \$9,262,912,	\$314,177 36	
Accrued interest,	\$715 55	
Adjustment of interest charges,		
in 1916,	4,233 58	
		<hr/>
	4,949 13	
		<hr/>
		309,228 23
Maintenance as appropriated by Legislature,	\$134,000 00	
Less balance on hand,	4,845 36	
		<hr/>
		129,154 64
		<hr/>
Total south metropolitan sewerage assessment,		\$519,103 36

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total Assessment.
Arlington,	\$3,604 96	\$678 43	\$7,127 98	\$4,862 92	\$16,274 29
Belmont,	2,479 84	466 69	4,903 33	2,643 73	10,493 59
Boston,	16,406 00	3,087 50	32,439 12	34,445 64	86,378 26
Cambridge,	26,405 73	4,969 38	52,211 32	35,603 48	119,189 91
Chelsea,	5,912 59	1,112 71	11,690 80	14,202 80	32,918 90
Everett,	6,291 45	1,184 01	12,439 92	12,330 96	32,246 34
Lexington,	1,366 21	257 11	2,701 37	1,292 92	5,617 61
Malden,	8,610 56	1,620 45	17,025 43	15,997 44	43,253 88
Medford,	6,027 39	1,134 32	11,917 80	9,976 69	29,056 20
Melrose,	3,834 57	721 64	7,581 99	5,519 02	17,657 22
Reading, ¹	1,595 82	300 32	3,155 38	—	5,051 52
Revere,	4,316 76	812 38	8,535 42	8,239 94	21,904 50
Somerville,	14,660 92	2,759 09	28,988 64	28,405 59	74,814 24
Stoneham,	1,159 56	218 22	2,292 76	2,450 75	6,121 29
Wakefield,	2,410 96	453 73	4,767 12	4,187 51	11,819 32
Winchester,	3,685 32	693 55	7,286 88	3,280 54	14,946 29
Winthrop,	3,157 21	594 16	6,242 66	4,168 21	14,162 24
Woburn,	2,881 67	542 31	5,697 84	5,364 64	14,486 46
	\$114,807 52	\$21,606 00	\$227,005 76	\$192,972 78	\$556,392 06 ²

¹ Reading is also assessed \$7,000 for sinking fund requirements in accordance with section 5, chapter 159, General Acts of 1916.

² Exclusive of \$4,389.99, special assessments on Everett, Malden and Revere, which are included on page 5.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund, Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3¼ Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1917.
\$5,330,000 (2,798,250)	Jan., 1930	\$2,068,706 81	\$3,353,181 82	\$4,775,068 18	\$159,168 94	\$101,914 36
465,000 (226,625)	Sunk. Jan., 1930	162,463 59	263,338 40	428,286 60	14,276 22	9,140 92
250,000 (47,917)	Sunk. July, 1943	22,159 63	59,312 52	238,604 48	3,976 74	1,541 97
50,000 (9,583)	Sunk. Jan., 1943	4,485 60	11,785 19	47,797 81	796 63	314 68
55,000 (10,542)	Sunk. July, 1943	6,811 56	18,231 84	47,310 16	788 50	305 74
300,000 (30,000)	Sunk. Jan., 1949	15,085 43	49,531 95	280,468 05	3,505 85	1,108 15
113,000 (10,986)	Sunk. Jan., 1949	4,343 13	14,260 36	109,725 64	1,523 97	481 70
\$6,563,000 (3,133,903)	— Sunk.	\$2,284,055 75	\$3,769,642 08	\$5,927,260 92	\$184,036 85	\$114,807 52

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1917.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{7}{30}$	$\frac{3}{30} + \frac{3}{8}$	$\frac{1}{30}$
265,000	1930	$\frac{70}{240} + \frac{7}{30}$	$\frac{3}{30} + \frac{3}{8}$	$\frac{1}{30}$
200,000	1930	$\frac{49}{240} + \frac{7}{30}$	$\frac{3}{30} + \frac{11}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{6}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{6}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
300,000	1949	$\frac{8}{80}$	$\frac{2}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{8}{80}$
113,000	1949	$\frac{7}{72}$	$\frac{7}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{72}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1916, Chapter 171.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operations (Per Cent.).
Arlington, . . .	\$19,849,317	3.14	14,889	2.52
Belmont, . . .	13,667,620	2.16	8,081	1.37
Boston: —				
Charlestown, } . . .	90,335,800	14.29	105,281	17.85
East Boston, }				
Cambridge, . . .	145,450,647	23.00	108,822	18.45
Chelsea, . . .	32,562,957	5.15	43,426	7.36
Everett, . . .	34,653,684	5.48	37,718	6.39
Lexington, . . .	7,513,900 ¹	1.19	3,940 ²	0.67
Malden, . . .	47,406,486	7.50	48,907	8.29
Medford, . . .	33,214,921	5.25	30,509	5.17
Melrose, . . .	21,109,262	3.34	16,880	2.86
Reading, . . .	8,775,394	1.39	—	—
Revere, . . .	23,812,667	3.76	25,178	4.27
Somerville, . . .	80,729,831	12.77	86,854	14.72
Stonham, . . .	6,389,965	1.01	7,489	1.27
Wakefield, . . .	13,288,394	2.10	12,781	2.17
Winchester, . . .	20,298,615	3.21	10,005	1.70
Winthrop, . . .	17,378,910	2.75	12,758	2.16
Woburn, . . .	15,899,337	2.51	16,410	2.78
	\$632,337,707	100.00	589,928	100.00

¹ 66.67 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total Assessment.
Boston,	\$30,080 41	\$3,959 42	\$130,401 54	\$71,357 94	\$235,799 31
Brookline,	16,035 27	2,110 69	69,514 50	10,539 02	98,199 48
Dedham,	1,533 62	201 87	6,648 41	3,474 26	11,858 16
Milton,	3,452 43	454 44	14,966 65	2,712 25	21,585 77
Newton,	8,887 88	1,169 89	38,529 84	13,574 15	62,161 76
Quincy,	4,165 75	548 33	18,058 93	12,799 22	35,572 23
Waltham,	3,052 98	401 86	13,234 97	9,492 87	26,182 68
Watertown,	2,125 67	279 80	9,215 00	5,204 93	16,825 40
Wellesley, ¹	1,997 28	262 90	8,658 39	—	10,918 57
	\$71,331 29	\$9,389 20	\$309,228 23	\$129,154 64	\$519,103 36

¹ Wellesley is also assessed \$6,775.24 for sinking fund requirements, in accordance with section 5, chapter 343, Acts of 1914.

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund, Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1917.
\$800,000 (420,000)	Jan., 1930 Sunk.	\$309,810 86	\$518,443 10	\$701,556 90	\$23,385 23	\$14,539 10
839,000 (300,642)	Mar., 1935 Sunk.	188,397 75	384,310 18	755,331 82	25,177 73	12,841 35
65,000 (21,125)	Mar., 1936 Sunk.	12,872 98	27,320 30	58,804 70	1,960 16	960 91
1,024,912 (264,769)	July, 1939 Sunk.	145,096 74	353,724 69	935,956 31	15,599 27	6,657 28
3,586,000 (866,617)	July, 1940 Sunk.	451,825 87	1,145,985 60	3,306,631 40	55,110 52	22,606 15
996,000 (190,900)	Jan., 1943 Sunk.	89,597 47	250,902 31	935,997 69	15,599 96	5,795 82
392,000 (68,600)	July, 1944 Sunk.	29,868 84	88,762 14	371,837 86	6,197 30	2,169 66
175,000 (24,792)	Jan., 1946 Sunk.	17,179 92	54,179 01	145,612 99	2,426 88	800 64
1,000,000 (141,667)	Jan., 1946 Sunk.	75,951 09	239,521 20	902,145 80	15,035 76	4,960 38
\$8,877,912 (2,299,112)	— Sunk.	\$1,320,601 52	\$3,063,148 53	\$8,113,875 47	\$160,492 81	\$71,331 29

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1917.
\$800,000	1930	$\frac{1}{8} + \frac{1}{8} + \frac{7}{30}$	$\frac{3}{30} + \frac{2}{8}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{1}{8} + \frac{2}{30}$	$\frac{3}{30} + \frac{2}{8}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{8} + \frac{1}{30}$	$\frac{3}{30} + \frac{2}{8}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{8}{30}$	$\frac{2}{30} + \frac{1}{8} + \frac{2}{8}$	$\frac{1}{30}$
3,586,000	1940	$\frac{1}{8} + \frac{7}{30}$	$\frac{2}{30} + \frac{1}{8} + \frac{2}{8}$	$\frac{1}{30}$
996,000	1943	$\frac{1}{8} + \frac{4}{30}$	$\frac{6}{30} + \frac{1}{8} + \frac{2}{8}$	$\frac{1}{30}$
392,000	1944	$\frac{1}{8} + \frac{3}{30}$	$\frac{7}{30} + \frac{1}{8} + \frac{2}{8}$	$\frac{1}{30}$
175,000	1946	$\frac{1}{8} + \frac{1}{30}$	$\frac{9}{30} + \frac{1}{8} + \frac{2}{8}$	$\frac{1}{30}$
1,000,000	1946	$\frac{1}{8} + \frac{1}{30}$	$\frac{9}{30} + \frac{1}{8} + \frac{2}{8}$	$\frac{1}{30}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1916, Chapter 171.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent.).
Waltham,	\$33,696,959	4.28	30,154	7.35
Watertown,	23,480,955	2.98	16,515	4.03
Newton,	98,091,454	12.46	43,113	10.51
Boston,	331,852,800	42.17	226,645	55.25
Brighton District, . .	\$57,167,700		34,782	
Back Bay District, . .	80,297,200		23,127	
Roxbury District, . .	52,109,100		51,588	
West Roxbury District, .	51,434,800		37,196	
Dorchester District, . .	68,406,500		62,002	
Hyde Park District, . .	19,437,500		17,950	
Brookline,	176,891,658	22.48	33,490	8.16
Dedham,	16,868,807 ¹	2.15	11,043	2.69
Milton,	38,117,803	4.84	8,600	2.10
Quincy,	45,960,081	5.84	40,674	9.91
Wellesley,	22,047,607	2.80		
	\$787,008,124	100.00	410,234	100.00

¹ 96.55 per cent. of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1916 and 1917.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1916.	1917.	1916.	1917.
Arlington, . .	\$11,645 87	\$11,862 66	\$14,903 84	\$16,274 29
Belmont, . .	7,250 67	7,189 54	9,705 02	10,493 59
Boston, . .	700,788 29	775,829 27	298,329 15	322,177 57
Braintree, . .	6,646 18	4,864 27	—	—
Brookline, . .	63,500 45	65,011 55	95,105 55	98,199 48
Cambridge, . .	63,833 41	72,469 54	109,283 75	119,189 91
Canton, . .	4,823 74	3,515 41	—	—
Chelsea, . .	18,423 30	18,856 25	29,394 67	32,918 90
Cohasset, . .	336 85	306 53	—	—
Dedham, . .	7,127 26	7,850 21	11,116 91	11,858 16
Dover, . .	3,435 33	2,963 00	—	—
Everett, . .	15,976 04	18,878 00	30,979 24	34,098 01
Hingham, . .	5,804 35	4,489 63	—	—
Hull, . .	4,457 36	3,498 10	—	—
Lexington, . .	—	—	5,194 42	5,617 61
Lynn, . .	51,063 57	50,862 90	—	—
Malden, . .	24,081 46	29,681 75	40,973 63	45,105 54
Medford, . .	13,317 65	21,210 67	26,427 50	29,056 20
Melrose, . .	8,183 80	10,464 99	16,153 54	17,657 22
Milton, . .	6,899 79	15,365 56	20,839 61	21,585 77
Nahant, . .	3,980 09	6,007 03	—	—
Needham, . .	4,858 75	4,424 51	—	—
Newton, . .	37,844 88	43,668 93	59,050 56	62,161 76
Quincy, . .	15,726 39	26,113 47	32,951 65	35,572 23
Reading, . .	— 169 73 ¹	—	—	12,051 52
Revere, . .	7,415 61	12,216 63	20,510 81	22,591 16
Saugus, . .	4,495 65	4,306 41	—	—
Somerville, . .	44,601 79	47,509 05	67,511 00	74,814 24
Stoneham, . .	3,716 80	4,127 06	5,486 60	6,121 29
Swampscott, . .	8,957 41	7,983 03	—	—
Wakefield, . .	6,741 68	6,650 59	10,720 06	11,819 32
Waltham, . .	17,037 41	17,745 37	24,241 78	26,182 68
Watertown, . .	11,194 58	10,580 13	15,727 66	16,825 40
Wellesley, . .	8,602 87	8,716 51	17,545 48	17,693 81
Weston, . .	5,129 93	5,542 47	—	—
Westwood, . .	2,770 89	2,039 73	—	—
Weymouth, . .	9,036 49	6,520 56	—	—
Winchester, . .	5,149 50	8,497 74	13,892 98	14,946 29
Winthrop, . .	9,646 95	8,800 43	12,998 10	14,162 24
Woburn, . .	7,527 81	7,767 29	13,112 39	14,486 46
	\$1,231,861 12	\$1,364,386 77	\$1,002,155 90	\$1,093,660 65

¹ Refund.

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	323,000 00	
	<hr/>	\$4,448,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1917,	\$92,480 11	
	<hr/>	

an increase for the year of \$65,914.68.

Net Charles River Basin debt, April 1, 1917,	\$3,555,519 89	
--	----------------	--

a decrease for the year of \$75,914.68.

TOTAL CHARLES RIVER BASIN LOAN—ASSESSMENT FOR 1917.

District.

Serial bonds,		\$10,000 00	
Interest:—			
One year on \$4,125,000,	\$142,250 00		
Six months on \$333,000,	6,010 00		
Six months on \$323,000,	5,830 00		
Interest on advances and temporary loans estimated, 1917,	1,000 00		
Adjustment of interest charges, 1916,	1,136 95		
	<hr/>	\$156,226 95	
Less interest on bridge,		41,381 82	
		<hr/>	\$114,845 13
Maintenance as appropriated by Legislature,	\$154,680 00		
Less balance on hand,	2,935 77		
	<hr/>		151,744 23
Total Charles River Basin district assessment,			\$276,589 36

Charles River Bridge.

Sinking fund,	\$10,137 88	
Interest,	41,381 82	
	<hr/>	\$51,519 70

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund, Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3¼ Per Cent.	Balance.	Sinking Fund Require- ments for 1917.
\$177,272 73	Jan., 1944	\$170,338 31	\$464,476 66	-	-
283,636 36	Jan., 1945	292,185 49	826,885 64	-	-
425,454 55	Jan., 1946	282,970 06	831,117 71	-	-
\$15,454 55	Jan., 1947	364,900 16	1,112,324 10	-	-
283,636 36	Jan., 1948	89,372 20	282,745 03	-	-
602,727 28	Jan., 1949	112,492 75	369,362 08	-	-
336,818 17	Jan., 1950	14,485 66	49,362 97	-	-
\$2,925,000 00	-	\$1,326,744 63 ¹	\$3,936,274 19	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$21,074 70	\$57,466 26	\$15,261 01	\$334 52
116,363 64	Jan., 1945	34,957 19	98,928 93	17,434 71	360 61
174,545 45	Jan., 1946	38,647 72	113,513 08	61,032 37	1,192 57
334,545 45	Jan., 1947	57,762 36	176,076 83	158,468 62	2,028 42
116,363 64	Jan., 1948	16,472 45	52,113 55	64,250 09	1,123 99
247,272 72	Jan., 1949	27,515 08	90,343 84	156,928 88	2,601 35
138,181 83	Jan., 1950	10,750 47	36,634 51	101,547 32	1,596 42
\$1,200,000 00	-	\$207,179 97	\$625,077 00	\$574,923 00	\$10,137 88

¹ Includes \$648,693.26, balance of cost of embankment which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	For Sinking Fund, Interest and Maintenance Requirements.
Arlington, . . . . .	.00647
Belmont, . . . . .	.00384
Boston, . . . . .	.60799
Braintree, . . . . .	.00307
Brookline, . . . . .	.05635
Cambridge, . . . . .	.04623
Canton, . . . . .	.00241
Chelsea, . . . . .	.01068
Dedham, . . . . .	.00563
Dover, . . . . .	.00266
Everett, . . . . .	.01166
Hingham, . . . . .	.00340
Hull, . . . . .	.00295
Lynn, . . . . .	.03240
Malden, . . . . .	.01652
Medford, . . . . .	.01071
Melrose, . . . . .	.00714
Milton, . . . . .	.01320
Nahant, . . . . .	.00549
Needham, . . . . .	.00312
Newton, . . . . .	.03251
Quincy, . . . . .	.01326
Revere, . . . . .	.00742
Saugus, . . . . .	.00239
Somerville, . . . . .	.02652
Stoneham, . . . . .	.00199
Swampscott, . . . . .	.00638
Wakefield, . . . . .	.00419
Waltham, . . . . .	.01185
Watertown, . . . . .	.00731
Wellesley, . . . . .	.00723
Weston, . . . . .	.00414
Westwood, . . . . .	.00170
Weymouth, . . . . .	.00387
Winchester, . . . . .	.00642
Winthrop, . . . . .	.00625
Woburn, . . . . .	.00465
	1.00000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$743 05	\$981 79	\$64 70	\$1,789 54
Belmont, . . .	441 01	582 70	38 40	1,062 11
Boston, . . .	69,824 69	92,258 97	6,079 90	168,163 56
Braintree, . . .	352 57	465 85	30 70	849 12
Brookline, . . .	6,471 52	8,550 79	563 50	15,585 81
Cambridge, . . .	5,309 29	7,015 14	462 30	12,786 73
Canton, . . .	276 78	365 70	24 10	666 58
Chelsea, . . .	1,226 55	1,620 63	106 80	2,953 98
Dedham, . . .	646 58	854 32	56 30	1,557 20
Dover, . . .	305 49	403 64	26 60	735 73
Everett, . . .	1,339 09	1,769 34	116 60	3,225 03
Hingham, . . .	390 47	515 93	34 00	940 40
Hull, . . .	338 79	447 65	29 50	815 94
Lynn, . . .	3,720 98	4,916 51	324 00	8,961 49
Malden, . . .	1,897 24	2,506 81	165 20	4,569 25
Medford, . . .	1,229 99	1,625 18	107 10	2,962 27
Melrose, . . .	819 99	1,083 45	71 40	1,974 84
Milton, . . .	1,515 96	2,003 02	132 00	3,650 98
Nahant, . . .	630 50	833 08	54 90	1,518 48
Needham, . . .	358 32	473 44	31 20	862 96
Newton, . . .	3,733 62	4,933 20	325 10	8,991 92
Quincy, . . .	1,522 85	2,012 13	132 60	3,667 58
Revere, . . .	852 15	1,125 94	74 20	2,052 29
Saugus, . . .	274 48	362 67	23 90	661 05
Somerville, . . .	3,045 69	4,024 26	265 20	7,335 15
Stoneham, . . .	228 54	301 97	19 90	550 41
Swampscott, . . .	732 71	968 13	63 80	1,764 64
Wakefield, . . .	481 20	635 81	41 90	1,158 91
Waltham, . . .	1,360 91	1,798 17	118 50	3,277 58
Watertown, . . .	839 52	1,109 25	73 10	2,021 87
Wellesley, . . .	830 33	1,097 11	72 30	1,999 74
Weston, . . .	475 46	628 22	41 40	1,145 08
Westwood, . . .	195 24	257 97	17 00	470 21
Weymouth, . . .	444 45	587 25	38 70	1,070 40
Winchester, . . .	737 31	974 20	64 20	1,775 71
Winthrop, . . .	717 78	948 40	62 50	1,728 68
Woburn, . . .	534 03	705 61	46 50	1,286 14
	\$114,845 13	\$151,744 23	\$10,000 00	\$276,589 36 ¹

¹ Exclusive of \$51,519.70, special assessments on Boston and Cambridge, and \$25,996.46, embankment interest on Boston, which are included on page 5.

Analysis of Charles River Basin Debt, July 1, 1917.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,448,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,400,363 57
Sinking fund, . . .	904,023 43	105,359 10	105,359 10	202,617 27	490,687 96
Net debt, . . .	\$3,543,976 57	\$494,640 90	\$494,640 90	\$645,019 16	\$1,909,675 61

STATEMENT OF THE DEBTS OF THE METRO

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund), .		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial), . . .		272,750 00		—		\$68,325 00	
Gross debt,		\$9,057,750 00		\$700,000 00		\$3,435,825 00	
Sinking funds, July 1, 1917, . . .		3,089,844 61		236,836 42		\$54,557 13	
Net debt,		\$5,967,905 39 5,945,905 39 ²		\$463,163 58		\$2,581,267 87 2,338,617 87 ²	

		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00647	\$38,569 65	.00644	\$2,982 77	.00647	\$16,131 12
2	Belmont, . . . . .	.00384	22,891 42	.00382	1,769 28	.00384	9,573 96
3	Boston, . . . . .	.60799	3,624,414 05	.60533	280,366 81	.60799	1,515,851 53
4	Braintree, . . . . .	.00307	18,301 21	.00306	1,417 28	.00307	7,654 18
5	Brookline, . . . . .	.05635	335,919 56	.05610	25,983 48	.05635	140,492 83
6	Cambridge, . . . . .	.04623	275,591 15	.04603	21,319 42	.04623	115,261 46
7	Canton, . . . . .	.00241	14,366 75	.00240	1,111 59	.00241	6,008 66
8	Chelsea, . . . . .	.01068	63,666 74	.01063	4,923 43	.01068	26,627 57
9	Cohasset,	—	—	.00438	2,028 66	—	—
10	Dedham, . . . . .	.00563	33,562 15	.00561	2,598 35	.00563	14,036 82
11	Dover, . . . . .	.00266	15,857 08	.00265	1,227 38	.00266	6,631 96
12	Everett, . . . . .	.01166	69,508 82	.01161	5,377 33	.01166	29,070 92
13	Hingham, . . . . .	.00340	20,268 44	.00338	1,565 49	.00340	8,476 94
14	Hull, . . . . .	.00295	17,585 55	.00294	1,361 70	.00295	7,354 99
15	Lexington,	—	—	—	—	—	—
16	Lynn, . . . . .	.03240	193,146 29	.03226	14,941 66	.03240	80,780 26
17	Malden, . . . . .	.01652	98,480 76	.01644	7,614 41	.01652	41,187 96
18	Medford, . . . . .	.01071	63,845 58	.01067	4,941 96	.01071	26,702 36
19	Melrose, . . . . .	.00714	42,563 72	.00710	3,288 86	.00714	17,801 58
20	Milton, . . . . .	.01320	78,689 23	.01314	6,085 97	.01320	32,910 48
21	Nahant, . . . . .	.00549	32,727 57	.00547	2,533 50	.00549	13,687 76
22	Needham, . . . . .	.00312	18,599 27	.00311	1,440 44	.00312	7,778 84
23	Newton, . . . . .	.03251	193,802 04	.03237	14,992 61	.03251	81,034 51
24	Quincy, . . . . .	.01326	79,046 91	.01320	6,113 76	.01326	33,060 07
25	Reading,	—	—	—	—	—	—
26	Revere, . . . . .	.00742	44,232 89	.00739	3,422 78	.00742	18,499 68
27	Saugus, . . . . .	.00239	14,247 52	.00238	1,102 33	.00239	5,958 79
28	Somerville, . . . . .	.02652	158,093 82	.02640	12,227 52	.02652	66,120 14
29	Stonham, . . . . .	.00199	11,863 00	.00198	917 06	.00199	4,961 50
30	Swampscott, . . . . .	.00638	38,033 13	.00635	2,941 09	.00638	15,906 73
31	Wakefield, . . . . .	.00419	24,977 87	.00417	1,931 39	.00419	10,446 58
32	Waltham, . . . . .	.01185	70,611 47	.01180	5,465 33	.01185	29,544 63
33	Watertown, . . . . .	.00731	43,577 14	.00728	3,371 83	.00731	18,225 42
34	Wellesley, . . . . .	.00723	43,100 23	.00720	3,334 78	.00723	18,025 97
35	Weston, . . . . .	.00414	24,679 80	.00412	1,908 23	.00414	10,321 92
36	Westwood, . . . . .	.00170	10,134 22	.00170	787 38	.00170	4,238 47
37	Weymouth, . . . . .	.00387	23,070 25	.00385	1,783 18	.00387	9,648 75
38	Winchester, . . . . .	.00642	38,271 58	.00639	2,959 62	.00642	16,006 46
39	Winthrop, . . . . .	.00625	37,258 16	.00622	2,880 88	.00625	15,582 61
40	Woburn, . . . . .	.00465	27,720 07	.00463	2,144 44	.00465	11,593 40
		1.00000	\$5,961,305 39 ¹	1.00000	\$463,163 58	1.00000	\$2,493,217 87 ⁴

¹ See page 33 for details.² District proportion.

POLITAN DISTRICT (CHAPTER 526, ACTS OF 1911).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
860,500 00		385,000 00		1,250,000 00		323,000 00		TOTALS.	
\$7,423,500 00		\$9,262,912 00		\$42,648,000 00		\$4,448,000 00			
2,323,137 99		1,351,297 52		13,529,421 92		904,023 43			
\$5,100,362 01		\$7,911,614 48		\$29,118,578 08		\$3,543,976 57 ¹			
5,047,862 01 ²						1,909,675 61 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0314	\$160,151 37	-	-	.008900	\$259,155 34	.00647	\$22,929 53	\$499,919 78	1
.0216	110,167 82	-	-	.004823	140,438 90	.00384	13,608 87	298,450 25	2
.1429	728,841 73	.4217	\$3,336,327 83	.758998	22,100,942 53	.60799	2,154,702 32	33,741,446 80	3
-	-	-	-	-	-	.00307	10,880 01	38,252 68	4
-	-	.2248	1,778,530 94	-	-	.05635	199,703 08	2,480,629 89	5
.2300	1,173,083 26	-	-	-	-	.04623	163,838 04	1,749,093 33	6
-	-	-	-	-	-	.00241	8,540 98	30,027 98	7
.0515	262,668 64	-	-	.024182	704,145 46	.01068	37,849 67	1,099,881 51	8
-	-	-	-	-	-	-	-	2,028 66	9
-	-	.0215	170,099 71	-	-	.00563	19,952 59	240,249 62	10
-	-	-	-	-	-	.00266	9,426 98	33,143 40	11
.0548	279,499 84	-	-	.023448	682,772 42	.01166	41,322 77	1,107,552 10	12
-	-	-	-	-	-	.00340	12,049 52	42,360 39	13
-	-	-	-	-	-	.00295	10,454 73	36,757 27	14
.0119	60,694 31	-	-	.004054	118,046 72	-	-	178,741 03	15
-	-	-	-	-	-	.03240	114,824 84	403,693 05	16
.0750	382,527 15	-	-	.022370	651,382 59	.01652	58,546 49	1,239,739 36	17
.0525	267,769 01	-	-	.014585	424,694 46	.01071	37,955 99	825,909 36	18
.0334	170,352 09	-	-	.008160	237,607 60	.00714	25,303 99	496,917 44	19
-	-	.0484	382,922 14	.007921	230,648 26	.01320	46,780 49	778,036 57	20
-	-	-	-	.002400	69,884 59	.00549	19,456 43	138,289 85	21
-	-	-	-	-	-	.00312	11,057 21	38,875 76	22
-	-	.1246	985,787 16	.002826	82,289 10	.03251	115,214 68	1,473,140 10	23
-	-	.0584	462,038 29	.025578	744,794 99	.01326	46,993 13	1,372,047 15	24
.0139	70,895 03	-	-	-	-	-	-	70,895 03	25
.0376	191,773 61	-	-	.013728	399,739 84	.00742	26,296 31	683,965 11	26
-	-	-	-	-	-	.00239	8,470 10	29,778 74	27
.1277	651,316 23	-	-	.051304	1,493,899 53	.02652	93,986 26	2,475,643 50	28
.0101	51,513 66	-	-	.003732	108,670 53	.00199	7,052 51	184,978 26	29
-	-	-	-	.005398	157,182 08	.00638	22,610 57	236,673 60	30
.0210	107,107 60	-	-	-	-	.00419	14,849 26	159,312 70	31
-	-	.0428	338,617 10	-	-	.01185	41,996 12	486,264 65	32
-	-	.0298	235,766 11	.010417	303,328 23	.00731	25,906 47	630,175 20	33
-	-	.0280	221,525 20	-	-	.00723	25,622 95	311,609 13	34
-	-	-	-	-	-	.00414	14,672 06	51,582 01	35
-	-	-	-	-	-	.00170	6,024 76	21,184 83	36
-	-	-	-	-	-	.00387	13,715 19	48,217 37	37
.0321	163,721 62	-	-	-	-	.00642	22,752 33	243,711 61	38
.0275	140,259 96	-	-	.007176	208,954 91	.00625	22,149 85	427,086 37	39
.0251	128,019 08	-	-	-	-	.00465	16,479 49	185,956 54	40
1.0000	\$5,100,362 01	1.0000	\$7,911,614 48	1.000000	\$29,118,578 08	1.00000	\$3,543,976 57	\$54,592,217 98	

³ Exclusive of \$6,600, share of county of Middlesex.⁴ Exclusive of \$88,050, share of certain counties and street railways.

SINKING FUND TABLES.

One dollar put in each year, with interest at the rate of 4 per cent. per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	=	1.04040000	\$1 each year for 19 years	=	28.90197165
\$1 in 2 years	=	1.08243216	\$1 in 20 years	=	2.20803964
\$1 each year for 2 years	=	2.12283216	\$1 each year for 20 years	=	31.11001129
\$1 in 3 years	=	1.12616241	\$1 in 21 years	=	2.29724444
\$1 each year for 3 years	=	3.24899457	\$1 each year for 21 years	=	33.40725573
\$1 in 4 years	=	1.17165938	\$1 in 22 years	=	2.39005311
\$1 each year for 4 years	=	4.42065395	\$1 each year for 22 years	=	35.79730884
\$1 in 5 years	=	1.21899441	\$1 in 23 years	=	2.48661126
\$1 each year for 5 years	=	5.63964836	\$1 each year for 23 years	=	38.28392010
\$1 in 6 years	=	1.26824179	\$1 in 24 years	=	2.58707035
\$1 each year for 6 years	=	6.90789015	\$1 each year for 24 years	=	40.87099045
\$1 in 7 years	=	1.31947875	\$1 in 25 years	=	2.69158799
\$1 each year for 7 years	=	8.22736890	\$1 each year for 25 years	=	43.56257844
\$1 in 8 years	=	1.37278570	\$1 in 26 years	=	2.80032815
\$1 each year for 8 years	=	9.60015460	\$1 each year for 26 years	=	46.36290659
\$1 in 9 years	=	1.42824624	\$1 in 27 years	=	2.91346140
\$1 each year for 9 years	=	11.02840084	\$1 each year for 27 years	=	49.27636799
\$1 in 10 years	=	1.48594738	\$1 in 28 years	=	3.03116524
\$1 each year for 10 years	=	12.51434822	\$1 each year for 28 years	=	52.30753323
\$1 in 11 years	=	1.54597966	\$1 in 29 years	=	3.15362432
\$1 each year for 11 years	=	14.06032788	\$1 each year for 29 years	=	55.46115755
\$1 in 12 years	=	1.60843724	\$1 in 30 years	=	3.28103074
\$1 each year for 12 years	=	15.66876512	\$1 each year for 30 years	=	58.74218829
\$1 in 13 years	=	1.67341810	\$1 in 31 years	=	3.41358438
\$1 each year for 13 years	=	17.34218322	\$1 each year for 31 years	=	62.15577267
\$1 in 14 years	=	1.74102419	\$1 in 32 years	=	3.55149318
\$1 each year for 14 years	=	19.08320741	\$1 each year for 32 years	=	65.70726585
\$1 in 15 years	=	1.81136157	\$1 in 33 years	=	3.69497330
\$1 each year for 15 years	=	20.89456898	\$1 each year for 33 years	=	69.40223935
\$1 in 16 years	=	1.88454057	\$1 in 34 years	=	3.84425042
\$1 each year for 16 years	=	22.77910955	\$1 each year for 34 years	=	73.24618977
\$1 in 17 years	=	1.96067601	\$1 in 35 years	=	3.99955813
\$1 each year for 17 years	=	24.73978556	\$1 each year for 35 years	=	77.24604790
\$1 in 18 years	=	2.03988732	\$1 in 36 years	=	4.16114027
\$1 each year for 18 years	=	26.77967288	\$1 each year for 36 years	=	81.40718817
\$1 in 19 years	=	2.12229877			
\$1 each year for 19 years	=	28.90197165			

One dollar put in each year, with interest at the rate of $3\frac{3}{4}$ per cent. per annum, compounded semiannually, amounts to the following in from 1 to 35 years, both inclusive: —

\$1 for 1 year	=	1.03785156	\$1 each year for 18 years	=	26.09727843
\$1 in 2 years	=	1.07713586	\$1 in 19 years	=	2.02567431
\$1 each year for 2 years	=	2.11498742	\$1 each year for 19 years	=	28.12295274
\$1 in 3 years	=	1.11790713	\$1 in 20 years	=	2.10234924
\$1 each year for 3 years	=	3.23289455	\$1 each year for 20 years	=	30.22530198
\$1 in 4 years	=	1.16022167	\$1 in 21 years	=	2.18192645
\$1 each year for 4 years	=	4.39311622	\$1 each year for 21 years	=	32.40722843
\$1 in 5 years	=	1.20413787	\$1 in 22 years	=	2.26451577
\$1 each year for 5 years	=	5.59725409	\$1 each year for 22 years	=	34.67174420
\$1 in 6 years	=	1.24971637	\$1 in 23 years	=	2.35023123
\$1 each year for 6 years	=	6.84697046	\$1 each year for 23 years	=	37.02197543
\$1 in 7 years	=	1.29702008	\$1 in 24 years	=	2.43919115
\$1 each year for 7 years	=	8.14399054	\$1 each year for 24 years	=	39.46116658
\$1 in 8 years	=	1.34611432	\$1 in 25 years	=	2.53151835
\$1 each year for 8 years	=	9.49010486	\$1 each year for 25 years	=	41.99268493
\$1 in 9 years	=	1.39706685	\$1 in 26 years	=	2.62734027
\$1 each year for 9 years	=	10.88717171	\$1 each year for 26 years	=	44.62002520
\$1 in 10 years	=	1.44994801	\$1 in 27 years	=	2.72678921
\$1 each year for 10 years	=	12.33711972	\$1 each year for 27 years	=	47.34681441
\$1 in 11 years	=	1.50483081	\$1 in 28 years	=	2.83000244
\$1 each year for 11 years	=	13.84195053	\$1 each year for 28 years	=	50.17681685
\$1 in 12 years	=	1.56179100	\$1 in 29 years	=	2.93712245
\$1 each year for 12 years	=	15.40374153	\$1 each year for 29 years	=	53.11393930
\$1 in 13 years	=	1.62090723	\$1 in 30 years	=	3.04829712
\$1 each year for 13 years	=	17.02464876	\$1 each year for 30 years	=	56.16223642
\$1 in 14 years	=	1.68226110	\$1 in 31 years	=	3.16367992
\$1 each year for 14 years	=	18.70690986	\$1 each year for 31 years	=	59.32591634
\$1 in 15 years	=	1.74593731	\$1 in 32 years	=	3.28343013
\$1 each year for 15 years	=	20.45284717	\$1 each year for 32 years	=	62.60934647
\$1 in 16 years	=	1.81202377	\$1 in 33 years	=	3.40771308
\$1 each year for 16 years	=	22.26487094	\$1 each year for 33 years	=	66.01705955
\$1 in 17 years	=	1.88061170	\$1 in 34 years	=	3.53670034
\$1 each year for 17 years	=	24.14548264	\$1 each year for 34 years	=	69.55375989
\$1 in 18 years	=	1.95179579	\$1 in 35 years	=	3.67056997
\$1 each year for 18 years	=	26.09727843	\$1 each year for 35 years	=	73.22432986

INDEX.

	PAGE
A.	
Alewife Brook,	22
B.	
Boston and Cambridge, Charles River Bridge,	30, 31
Boulevards. See "Metropolitan Parks Loan."	
C.	
Charles River Basin Debt, analysis of,	33
Charles River Basin Loan: —	
Assessment, how made up,	30
Sinking Fund (Charles River Bridge),	31
Sinking Fund (District),	31
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements,	33
Proportion in Percentages to be paid annually,	32
Charles River Bridge, Boston and Cambridge,	30, 31
Comparison of 1916 and 1917 Parks and Sewerage Assessments,	29
Comparison of 1916 and 1917 Water Assessments,	9
D.	
Debts of the Metropolitan District,	34, 35
E.	
Everett and Malden, Special Assessment,	23
G.	
Gross Charles River Basin Loan Debt, April 1, 1917,	30
Gross Metropolitan Parks Debt, April 1, 1917,	10
Gross Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1917,	10
Gross Metropolitan Sewerage (North System) Debt, April 1, 1917,	23
Gross Metropolitan Sewerage (South System) Debt, April 1, 1917,	24
Gross Metropolitan Water Debt, April 1, 1917,	6
M.	
Malden and Everett, Special Assessment,	23
Metropolitan Districts, Statement of the Debts of,	34, 35
Metropolitan Districts, Total Assessments for,	5

Metropolitan Parks Loan:—	PAGE
Parks Sinking Fund Requirements,	15
Boulevards Sinking Fund Requirements,	15
Nantasket Sinking Fund Requirements,	15
Parks Interest Requirements,	16
Boulevards Interest Requirements,	16
Nantasket Interest Requirements,	16
Parks Maintenance Requirements,	17
Boulevards Maintenance Requirements,	17
Nantasket Maintenance Requirements,	17
Wellington Bridge Maintenance Requirements,	17
Parks Serial Bonds Requirements,	18
Boulevards Serial Bonds Requirements,	18
Assessment, how made up,	10, 11
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	12
Neponset Bridge, Special Assessment,	19
Newton-Weston Bridge, Special Assessment,	20
Proportion in Percentages to be paid annually,	13
Sinking Fund, Parks,	14
Sinking Fund, Boulevards, Series 2,	14
Sinking Fund, Nantasket,	14
Wellington Bridge, Special Assessment,	21
Metropolitan Parks and Sewerage Loans, Comparison of 1916 and 1917 Assessments,	29
Metropolitan Sewerage Loan, North System:—	
Amounts provided for and to be provided for,	26
Assessments, how made up,	23, 24
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	25
Everett and Malden, Special Assessment,	23
Proportion in Percentages to be paid annually,	26
Reading, Special Sinking Fund Assessment,	25
Revere, Special Assessment,	24
Sinking Fund,	25
Metropolitan Sewerage Loan, South System:—	
Amounts provided for and to be provided for,	28
Assessment, how made up,	24
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	27
Proportion in Percentages to be paid annually,	28
Sinking Fund,	27
Wellesley, Special Sinking Fund Assessment,	27
Metropolitan Water Loan:—	
Assessment, how made up,	6
Comparison of Total 1916 and 1917 Assessments,	9
Computations for determining Assessment,	7
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	8
Sinking Fund,	7

N.

Nantasket. See "Metropolitan Parks Loan."	
Neponset Bridge,	19
Newton-Weston Bridge,	20
Net Charles River Basin Loan Debt, April 1, 1917,	30

	PAGE
Net Metropolitan Parks Debt, April 1, 1917,	10
Net Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1917,	10
Net Metropolitan Sewerage (North System) Debt, April 1, 1917,	23
Net Metropolitan Sewerage (South System) Debt, April 1, 1917,	24
Net Metropolitan Water Debt, April 1, 1917,	6
Net Water Debt of Cities in Original Metropolitan Water District,	9

O.

Outlet for Sewage of Everett and Malden,	23
Outlet for Sewage of Revere,	24

P.

Parks. See "Metropolitan Parks Loan."

R.

Reading, Special Sinking Fund Assessment,	25
Revenue from Water received by Cities and Towns, 1916,	9
Revere, Special Assessment,	24

S.

Sewerage Loan. See "Metropolitan Sewerage Loan, North System;"	
"Metropolitan Sewerage Loan, South System."	
Sinking Fund Tables,	36, 37

T.

Total Assessments for Metropolitan Districts,	5
---	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District,	9
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1916,	9
Wellington Bridge:—	
Serial Bonds, Special Assessment,	21
Interest, Special Assessment,	21
Maintenance, Special Assessment,	21
Maintenance, District Assessment,	17
Wellesley, Special Sinking Fund Assessment,	27

The Commonwealth of Massachusetts.

1918

ASSESSMENTS

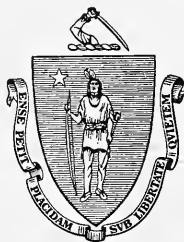
FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
32 DERNE STREET.
1918.

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 1, 1918.

Under the provisions of chapter 526 of the Acts of 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1918, to be paid by the cities and towns comprising the metropolitan district, are compiled and printed as a public document and herewith submitted.

The tables on pages 6 and 7 are a new feature of this report, showing the special assessments against cities, towns, counties and street railways, the acts under which the assessments are levied, the total number of assessments to be levied and the number of assessments levied up to the date of this report.

The advent of the income tax has resulted in a material reduction in the valuations to be used in computing the metropolitan water assessments, for the Attorney-General has ruled that in apportioning the expenses of the metropolitan water district under the provisions of chapter 457 of the Acts of 1906 the Treasury Department should regard only the assessors' valuation for the preceding year in the various cities and towns, and should not take into consideration any matters relating to the distribution of the income taxed under chapter 269 of the General Acts of 1916.

There have been issued during the year 1918, on account of the metropolitan district, bonds to the amount of \$333,000, bearing interest at the rate of 5 per cent. and divided as follows:—

Metropolitan Parks Loan, Series Two (Parkways and Boulevards).

\$8,000. Chapter 316, General Acts of 1917 and chapter 2, General Acts of 1918, acts to authorize the Metropolitan Park Commission to pay certain claims arising from the takings of land for a boulevard from Quincy to Quincy Shore Reservation; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth.

Metropolitan Sewerage Loan, South System.

\$325,000. Chapter 343, Acts of 1914, an act to include the town of Wellesley within the south metropolitan sewerage district, and chapter 285, General Acts of 1917, which provides for completing the extension of the south metropolitan sewer to the town of Wellesley. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, south system. Under chapter 343, Acts of 1914, the town of Wellesley shall pay its proportionate part of the interest, sinking fund requirements and costs specified in chapter 424, Acts of 1899, and acts in amendment thereof and in addition thereto. The town of Wellesley shall also pay a special sinking fund assessment to be determined in accordance with the provisions of said chapter 343, Acts of 1914.

CHARLES L. BURRILL,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1918.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington, . .	\$21,735 89	\$11,028 29	\$17,349 75N	\$1,819 39	\$52,833 32
Belmont, . .	11,402 54	7,226 77	11,132 41N	1,079 82	30,841 54
Boston, . .	1,741,008 84	791,445 58	{ 93,045 57N 257,203 09S }	222,515 39	3,105,218 47
Braintree, . .	-	4,907 95	-	863 29	5,771 24
Brookline, . .	-	66,703 89	106,668 97S	15,845 82	189,218 68
Cambridge, . .	-	73,219 87	127,065 18N	38,788 75	239,073 80
Canton, . .	-	3,560 84	-	677 70	4,238 54
Chelsea, . .	58,047 20	18,937 15	35,579 26N	3,003 26	115,566 87
Cohasset, . .	-	322 25	-	-	322 25
Dedham, . .	-	7,969 59	12,931 89S	1,583 18	22,484 66
Dover, . .	-	3,046 77	-	748 00	3,794 77
Everett, . .	57,838 91	19,029 06	36,493 36N	3,278 83	116,640 16
Hingham, . .	-	4,570 87	-	956 10	5,526 97
Hull, . .	-	3,583 24	-	829 55	4,412 79
Lexington, . .	9,398 37	-	5,946 00N	-	15,344 37
Lynn, . .	-	51,341 16	-	9,110 99	60,452 15
Malden, . .	49,949 48	29,938 75	48,270 24N	4,645 49	132,803 96
Medford, . .	36,487 21	21,392 95	31,120 13N	3,011 69	92,011 98
Melrose, . .	20,222 33	10,597 62	18,851 06N	2,007 80	51,678 81
Milton, . .	12,430 09	15,756 96	23,456 65S	3,711 88	55,355 58
Nahant, . .	3,848 67	6,183 93	-	1,543 80	11,576 40
Needham, . .	-	4,487 97	-	877 35	5,365 32
Newton, . .	5,832 03	44,431 47	67,682 95S	9,141 93	127,088 38
Quincy, . .	57,975 46	26,179 75	38,848 28S	3,728 76	126,732 25
Reading, . .	-	-	12,217 70N	-	12,217 70
Revere, . .	32,414 05	12,305 33	24,206 93N	2,086 53	71,012 84
Saugus, . .	-	4,321 35	-	672 08	4,993 43
Somerville, . .	125,358 55	47,828 73	80,430 29N	7,457 52	261,075 09
Stoneham, . .	10,009 34	4,148 63	6,594 86N	559 60	21,312 43
Swampscott, . .	12,351 41	8,151 80	-	1,794 07	22,297 28
Wakefield, . .	-	6,709 73	12,673 22N	1,178 24	20,561 19
Waltham, . .	-	17,951 75	28,595 64S	3,332 26	49,879 65
Watertown, . .	31,143 50	10,720 89	18,355 28S	2,055 59	62,275 26
Wellesley, . .	-	8,919 87	18,608 35S	2,033 10	29,561 32
Weston, . .	-	5,643 60	-	1,164 17	6,807 77
Westwood, . .	-	2,087 94	-	478 04	2,565 98
Weymouth, . .	-	6,561 31	-	1,088 26	7,649 57
Winchester, . .	-	8,650 48	15,802 33N	1,805 33	26,258 14
Winthrop, . .	16,843 44	8,929 77	15,091 08N	1,757 52	42,621 81
Woburn, . .	-	7,818 77	15,558 85N	1,307 60	24,685 22
	\$2,314,297 31	\$1,387,512 63 ¹	\$1,179,779 32 ²	\$358,538 68 ³	\$5,240,127 94

N, North System.

S, South System.

¹ Includes \$36,399.21, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.² Includes \$18,075.24, special assessments on Everett and Malden, Reading, Revere and Wellesley.³ Includes \$51,577.43, special assessments on Boston and Cambridge, and \$25,757.75, embankment interest on Boston.

Special Metropolitan District Assessments for 1918.

CITIES AND TOWNS.	Alexwife Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metropolitan Sewerage.	Charles River Basin, Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington,	\$2,395 89	-	-	-	-	-	-	-	\$2,395 89
Belmont,	1,697 09	-	-	-	-	-	-	-	1,697 09
Boston,	-	\$6,560 00	-	-	-	-	\$25,788 72	\$25,757 75	58,106 47
Cambridge,	4,691 95	-	-	-	-	-	25,788 71	-	30,480 66
Everett,	-	-	-	-	-	\$1,816 67 ^{N 1}	-	-	1,816 67
Malden,	-	-	-	\$1,943 50	\$1,807 33	1,816 67 ^{N 1}	-	-	5,567 50
Medford,	-	-	-	2,392 00	2,224 41	-	-	-	4,616 41
Newton,	-	-	\$1,910 00	-	-	-	-	-	1,910 00
Quincy,	-	4,920 00	-	-	-	-	-	-	4,920 00
Reading,	-	-	-	-	-	7,000 00 ^{N 2}	-	-	7,000 00
Revere,	-	-	-	-	-	666 67 ^{N 3}	-	-	666 67
Somerville,	1,197 94	-	-	1,644 50	1,529 28	-	-	-	4,371 72
Stonham,	-	-	-	373 75	347 57	-	-	-	721 32
Wellesley,	-	-	-	-	-	6,775 23 ^{s 4}	-	-	6,775 23
Weston,	-	-	764 00	-	-	-	-	-	764 00
	\$9,982 87 ^{s 5}	\$11,480 00 ⁶	\$2,674 00 ⁷	\$6,353 75 ⁸	\$5,908 59 ⁹	\$18,075 24	\$51,577 43	\$25,757 75	\$131,809 63

⁶ Third assessment under chapter 300, General Acts of 1915 (total assessments, 18).⁷ Second assessment under chapter 159, General Acts of 1916 (total assessments, 5).⁸ Fourth assessment under chapter 259, Acts of 1914 (total assessments, 11).⁹ Third assessment under chapter 318, Acts of 1914 (total assessments, 5).¹⁰ Eighth assessment under chapter 529, Acts of 1907 (total assessments, 20), and fifth assessment under chapter 453, Acts of 1911 (total assessments, 20).

Assessments on Counties and Street Railways for 1918.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Total.
Middlesex County,	-	\$1,146 00	-	\$1,146 00
Norfolk County,	\$1,640 00	-	-	1,640 00
Plymouth County,	820 00	-	-	820 00
Bay State Street Railway Company, .	4,920 00	-	-	4,920 00
Boston Elevated Railway Company, .	-	-	\$2,242 50	2,242 50
	\$7,380 00 ¹	\$1,146 00 ²	\$2,242 50 ³	\$10,768 50

¹ Third assessment under chapter 300, General Acts of 1915 (total assessments, 18).² Third assessment under chapter 368, Special Acts of 1915 (total assessments, 9).³ Fourth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1918.

Gross water debt, April 1, 1918:—

Bonds outstanding (sinking fund),	\$41,398,000 00	
Bonds outstanding (serial),	1,213,000 00	
	<hr/>	\$42,611,000 00

a decrease for the year of \$37,000.

Sinking fund, April 1, 1918,	14,231,764 39	
	<hr/>	

an increase for the year of \$836,057.74.

Net water debt, April 1, 1918,	\$28,379,235 61	
--	-----------------	--

a decrease for the year of \$873,057.74.

Total Water Assessment for 1918.

Sinking fund requirements,	\$262,039 38	
Serial bonds,	37,000 00	

Interest:—

One year on \$41,398,000,	\$1,393,435 00	
Six months on \$1,250,000,	24,162 50	
Six months on \$1,213,000,	23,447 50	
Interest on advances and temporary loans, estimated, 1918,	35,000 00	
Adjustment of interest charges in 1917,	415 54	
	<hr/>	1,476,460 54

Maintenance as appropriated by Legislature,	\$601,500 00	
Less balance on hand,	62,702 61	
	<hr/>	538,797 39

Total water assessment for 1918,	\$2,314,297 31	
--	----------------	--

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1917.	Amount of Dec. 1, 1917, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1918.
\$13,000,000	July, 1935	\$5,783,491 58	\$11,566,344 25	\$1,433,655 75	\$60,290 55
4,000,000	Jan., 1938	1,522,316 35	3,361,334 84	638,665 16	21,358 63
4,000,000	July, 1939	1,341,775 85	3,144,034 84	855,965 16	26,657 26
10,000,000	Jan., 1941	2,927,114 76	7,278,596 52	2,721,403 48	73,956 58
3,500,000	Jan., 1942	967,749 42	2,503,635 83	996,364 17	25,363 15
2,000,000	Jan., 1943	497,680 83	1,339,550 89	660,449 61	15,773 44
2,000,000	Jan., 1944	456,951 15	1,279,613 16	720,386 84	16,165 73
650,000	Jan., 1945	167,763 10	458,771 31	161,228 69	3,404 11
1,350,000	Jan., 1946	266,274 89	807,123 19	542,876 81	10,797 85
398,000	Jan., 1949	54,905 27	187,423 77	210,576 23	3,524 74
500,000	Jan., 1950	56,364 39	200,177 74	299,322 26	4,747 34
\$41,398,000	-	\$14,042,387 09 ¹	\$32,156,605 84	\$9,241,394 16	\$262,039 38

¹ This figure includes Everett's 1917 assessment, \$6,108.21, which was not paid until Jan. 28, 1918.

Computations for determining the Assessment for 1918. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1917.	Average Daily Con- sumption (Gallons), 1917.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington,	\$19,281,412	997,100	.010052	.009062	.009392
Belmont,	11,795,464	474,800	.006150	.004315	.004927
Boston,	1,467,441,043	82,073,200	.765051	.745901	.752284
Chelsea,	33,164,250	3,188,500	.017290	.028978	.025082
Everett,	38,068,250	3,033,000	.019847	.027565	.024992
Lexington,	8,490,202	426,700	.004426	.003878	.004061
Malden,	39,850,697	2,419,300	.020776	.021987	.021583
Medford,	33,495,400	1,641,300	.017463	.014917	.015766
Melrose,	18,798,750	902,900	.009801	.008206	.008738
Milton,	17,834,603	375,000	.009298	.003408	.005371
Nahant,	4,158,366	155,300	.002168	.001411	.001663
Newton, ¹	14,502,002	-	.007561	-	.002520
Quincy,	49,779,275	2,706,800	.025952	.024600	.025051
Revere,	24,276,750	1,615,400	.012657	.014681	.014006
Somerville,	78,935,372	6,676,100	.041153	.060674	.054167
Stoneham,	6,360,340	531,300	.003316	.004829	.004325
Swampscott,	13,142,603	503,800	.006852	.004579	.005337
Watertown,	22,190,867	1,584,600	.011569	.014401	.013457
Winthrop,	16,530,250	727,200	.008618	.006608	.007278
	\$1,918,095,896	110,032,300	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1918.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$13,866 92	\$2,461 08	\$5,060 39	\$347 50	\$21,735 89
Belmont, . . .	7,274 52	1,291 07	2,654 65	182 30	11,402 54
Boston, . . .	1,110,717 64	197,128 03	405,328 66	27,834 51	1,741,008 84
Chelsea, . . .	37,032 58	6,572 47	13,514 12	928 03	58,047 20
Everett, . . .	36,899 70	6,548 89	13,465 62	924 70	57,838 91
Lexington, . . .	5,995 91	1,064 14	2,188 06	150 26	9,398 37
Malden, . . .	31,866 45	5,655 60	11,628 86	798 57	49,949 48
Medford, . . .	23,277 88	4,131 31	8,494 68	583 34	36,487 21
Melrose, . . .	12,901 31	2,289 70	4,708 01	323 31	20,222 33
Milton, . . .	7,930 07	1,407 41	2,893 88	198 73	12,430 09
Nahant, . . .	2,455 35	435 77	896 02	61 53	3,848 67
Newton, . . .	3,720 68	660 34	1,357 77	93 24	5,832 03
Quincy, . . .	36,986 81	6,564 35	13,497 41	926 89	57,975 46
Revere, . . .	20,679 31	3,670 12	7,546 40	518 22	32,414 05
Somerville, . . .	79,975 44	14,193 89	29,185 04	2,004 18	125,358 55
Stoneham, . . .	6,385 69	1,133 32	2,330 30	160 03	10,009 34
Swampscott, . . .	7,879 87	1,398 51	2,875 56	197 47	12,351 41
Watertown, . . .	19,868 73	3,526 26	7,250 60	497 91	31,143 50
Winthrop, . . .	10,745 68	1,907 12	3,921 36	269 28	16,843 44
	\$1,476,460 54	\$262,039 38	\$538,797 39	\$37,000 00	\$2,314,297 31

Comparison of Total Assessments, 1917 and 1918, with Revenue from Water Rates in 1917.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1917.
	1917.	1918.	
Arlington,	\$20,544 00	\$21,735 89	\$68,633 38 ¹
Belmont,	11,132 99	11,402 54	32,202 95 ²
Boston,	1,752,004 76	1,741,008 84	2,952,021 64 ²
Chelsea,	55,819 61	58,047 20	128,388 75
Everett,	54,125 31	57,838 91	120,992 99 ¹
Lexington,	9,357 91	9,398 37	24,490 20
Malden,	51,636 95	49,949 48	116,841 01 ²
Medford,	33,666 75	36,487 21	86,643 67 ³
Melrose,	18,835 83	20,222 33	47,959 34 ¹
Milton,	18,284 15	12,430 09	50,238 79 ⁴
Nahant,	5,539 95	3,848 67	6,147 63 ²
Newton,	6,523 29 ⁵	5,832 03	— ⁵
Quincy,	59,042 03	57,975 46	190,360 66
Revere,	31,688 52	32,414 05	85,473 37 ¹
Somerville,	118,425 67	125,358 55	269,754 89 ²
Stoneham,	8,614 63	10,009 34	32,715 79 ⁶
Swampscott,	12,460 26	12,351 41	53,453 31 ²
Watertown,	24,045 68	31,143 50	110,061 13 ¹
Winthrop,	16,564 45	16,843 44	54,419 54 ⁶
	\$2,308,312 74	\$2,314,297 31	\$4,430,799 04

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering and other municipal purposes.

³ No money received for hydrant rentals.

⁴ No money received for water used for street watering and other municipal purposes.

⁵ Not taking water from the district.

⁶ No money received for water used for street watering.

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1917.	Jan. 1, 1918.	Decrease.
Boston,	\$384,000 00	\$368,000 00	\$16,000 00
Somerville,	16,000 00	11,000 00	5,000 00
Chelsea,	84,005 00	75,993 00	8,012 00
Everett,	38,017 41	30,873 33	7,144 08
Malden,	24,581 85	19,910 34	4,671 51
Medford, ¹	—6,981 29	—6,464 65	—516 64 ²
Melrose,	91,956 70	89,557 35	2,399 35
	\$631,579 67	\$588,869 37	\$42,710 30

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1918: —

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	249,500 00	
	<hr/>	\$9,734,500 00

a decrease for the year of \$23,250.

Sinking fund April 1, 1918,	3,486,471 97
---------------------------------------	--------------

an increase for the year of \$188,866.75.

Net parks debt, April 1, 1918,	\$6,248,028 03
--	----------------

a decrease for the year of \$212,116.75.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1918: —

Bonds outstanding (sinking fund) (one-half),	\$2,567,500 00	
Bonds outstanding (serial) (one-half),	519,500 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts, 1915),	63,393 75	
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts, 1915),	244,125 00	
	<hr/>	\$3,394,518 75

a decrease for the year of \$41,306.25.

Sinking fund, April 1, 1918,	\$95,044 30
--	-------------

an increase for the year of \$47,956.15.

Net parks, series two (boulevards), debt, April 1, 1918,	\$2,499,474 45
--	----------------

a decrease for the year of \$89,262.40.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1918 is made up as follows: —

Parks sinking fund,	\$69,861 74	
Parks, series two, sinking fund,	14,137 00	
Nantasket sinking fund,	4,743 49	
Parks, serial bonds,	20,250 00	
Parks, series two, serial bonds,	\$27,693 75	
Less premium,	1 20	
	<hr/>	27,692 55

Amount carried forward,	\$136,684 78
-----------------------------------	--------------

Amount brought forward, \$136,684 78

Parks interest: —

One year on \$8,785,000,	\$301,225 00
Six months on \$250,750,	4,891 87
Six months on \$230,500,	4,493 75
Interest on advances and temporary loans, estimated, 1918,	15,000 00
Adjustment of interest charges in 1917,	7,151 67

332,762 29

Parks series two, interest: —

One year on \$2,567,500,	\$87,737 50
Six months on \$625,675,	12,513 50
Six months on \$602,481.25,	12,069 63

\$112,320 63

Accrued interest, \$26 66

Adjustment of interest charges
in 1917, 9,692 98

9,719 64

102,600 99

Nantasket interest: —

One year on \$700,000, 21,000 00

Parks maintenance as appropriated by Legislature, \$557,776 97

Less balance on hand, 22,035 87

535,741 10

Boulevards maintenance, one-half, \$173,385 90

Less balance on hand, one-half, 1,843 66

171,542 24

Nantasket maintenance, \$48,261 65

Less balance on hand, 433 93

47,827 72

Wellington Bridge maintenance, one-quarter, \$3,134 07

Less balance on hand, one-quarter, 179 77

2,954 30

Total parks assessment for 1918, \$1,351,113 42

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington,	\$574 03	\$2,952 04	\$5,696 14	\$310 19	\$9,532 40
Belmont,	340 68	1,752 02	3,252 88	184 10	5,529 68
Boston,	53,941 78	277,408 46	424,386 75	29,148 59	784,885 58
Braintree,	272 40	1,400 83	3,087 53	147 19	4,907 95
Brookline,	4,999 43	25,710 83	33,292 06	2,701 57	66,703 89
Cambridge,	4,101 60	21,093 47	41,116 46	2,216 39	68,527 92
Canton,	213 83	1,099 63	2,131 84	115 54	3,560 84
Chelsea,	947 52	4,872 91	12,604 69	512 03	18,937 15
Cohasset,	20 78	91 98	209 49	-	322 23
Dedham,	499 52	2,568 90	4,631 25	269 92	7,960 59
Dover,	236 00	1,213 72	1,469 52	127 53	3,046 77
Everett,	1,034 50	5,320 15	12,115 39	559 02	19,020 06
Hingham,	301 63	1,551 21	2,555 03	163 00	4,570 87
Hull,	261 74	1,346 06	1,834 01	141 43	3,583 24
Lynn,	2,874 59	14,783 23	32,130 00	1,553 34	51,341 16
Malden,	1,465 64	7,537 44	16,392 83	792 01	26,187 92
Medford,	950 24	4,886 82	10,426 01	513 47	16,776 54
Melrose,	633 43	3,257 59	6,364 29	342 31	10,597 62
Milton,	1,171 11	6,022 73	7,930 28	632 84	15,756 96
Nahant,	487 10	2,505 01	2,928 62	263 20	6,183 93
Needham,	276 83	1,423 65	2,637 91	149 58	4,487 97
Newton,	2,884 35	14,833 43	23,245 08	1,558 61	42,521 47
Quincy,	1,176 45	6,050 12	13,397 46	635 72	21,259 75
Revere,	658 33	3,385 59	7,905 67	355 74	12,305 33
Saugus,	212 05	1,090 50	2,904 21	114 59	4,321 35
Somerville,	2,352 87	12,100 24	27,732 46	1,271 44	43,457 01
Stoneham,	176 54	907 96	2,247 40	95 41	3,427 31
Swampscott,	566 03	2,910 96	4,368 93	305 88	8,151 80
Wakefield,	371 73	1,911 74	4,225 39	200 87	6,709 73
Waltham,	1,051 35	5,406 85	10,925 43	568 12	17,951 75
Watertown,	648 56	3,335 38	6,386 50	350 45	10,720 89
Wellesley,	641 46	3,298 88	4,632 91	346 62	8,919 87
Weston,	367 30	1,888 93	2,424 89	198 48	4,879 60
Westwood,	150 85	775 82	1,079 77	81 50	2,087 94
Weymouth,	343 33	1,765 70	4,266 75	185 53	6,561 31
Winchester,	569 58	2,929 21	4,843 91	307 78	8,650 48
Winthrop,	554 51	2,851 63	5,224 00	299 63	8,929 77
Woburn,	412 56	2,121 66	5,061 62	222 93	7,818 77
	\$88,742 23	\$456,363 28	\$758,065 36	\$47,942 55	\$1,351,113 42

METROPOLITAN PARKS.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	Parks (excepting Maintenance) and Boulevards.	Parks Maintenance.	Nantasket.
Arlington, . . . .	.00647	.00795	.00644
Belmont, . . . .	.00384	.00448	.00382
Boston, . . . .	.60799	.54008	.60533
Braintree, . . . .	.00307	.00449	.00306
Brookline, . . . .	.05635	.03878	.05610
Cambridge, . . . .	.04623	.05758	.04603
Canton, . . . .	.00241	.00298	.00240
Chelsea, . . . .	.01068	.01910	.01063
Cohasset,	—	—	.00438
Dedham, . . . .	.00563	.00631	.00561
Dover, . . . .	.00266	.00164	.00265
Everett, . . . .	.01166	.01778	.01161
Hingham, . . . .	.00340	.00336	.00338
Hull, . . . .	.00295	.00220	.00294
Lynn, . . . .	.03240	.04654	.03226
Malden, . . . .	.01652	.02375	.01644
Medford, . . . .	.01071	.01502	.01067
Melrose, . . . .	.00714	.00892	.00710
Milton, . . . .	.01320	.00933	.01314
Nahant, . . . .	.00549	.00319	.00547
Needham, . . . .	.00312	.00363	.00311
Newton, . . . .	.03251	.02991	.03237
Quincy, . . . .	.01326	.01951	.01320
Revere, . . . .	.00742	.01168	.00739
Saugus, . . . .	.00239	.00443	.00238
Somerville, . . . .	.02652	.04077	.02640
Stoneham, . . . .	.00199	.00337	.00198
Swampscott, . . . .	.00638	.00551	.00635
Wakefield, . . . .	.00419	.00615	.00417
Waltham, . . . .	.01185	.01548	.01180
Watertown, . . . .	.00731	.00889	.00728
Wellesley, . . . .	.00723	.00565	.00720
Weston, . . . .	.00414	.00281	.00412
Westwood, . . . .	.00170	.00131	.00170
Weymouth, . . . .	.00387	.00636	.00385
Winchester, . . . .	.00642	.00638	.00639
Winthrop, . . . .	.00625	.00716	.00622
Woburn, . . . .	.00465	.00752	.00463
	1.00000	1.00000	1.00000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1917.	Amount of Dec. 1, 1917, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3½ Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1918.
\$125,000	Jan., 1928	\$50,568 92	\$73,322 30	\$51,677 70	\$4,347 35
1,300,000	Jan., 1934	584,551 27	1,059,220 79	240,779 21	11,223 64
2,000,000	Jan., 1936	823,014 80	1,606,356 82	393,643 18	15,654 02
1,400,000	Jan., 1937	551,583 04	1,117,327 59	282,672 41	10,431 76
1,000,000	July, 1938	373,845 08	800,689 53	199,310 47	6,843 75
505,000	July, 1939	179,625 12	399,277 46	105,722 54	3,385 79
650,000	Jan., 1941	252,376 82	593,143 88	56,856 12	1,593 86
125,000	Jan., 1943	32,315 07	81,806 19	43,193 81	1,067 53
340,000	July, 1943	91,418 61	235,767 16	104,232 84	2,576 12
300,000	Jan., 1944	69,119 68	181,600 91	118,399 09	2,753 93
370,000	Jan., 1945	75,084 01	204,738 26	165,261 74	3,622 57
300,000	Jan., 1946	59,720 65	169,009 58	130,990 42	2,709 39
300,000	Jan., 1947	50,529 07	148,410 06	151,589 94	2,962 08
70,000	Jan., 1949	9,670 59	30,594 65	39,405 35	689 35
\$3,785,000	—	\$3,203,422 73 ¹	\$6,701,265 18	\$2,083,734 82	\$69,861 74

Nantasket.

\$600,000	July, 1939	\$214,997 53	\$477,904 58	\$122,095 42	\$3,910 14
100,000	Jan., 1941	29,900 41	70,272 87	29,727 13	833 35
\$700,000	—	\$244,897 94 ¹	\$548,177 45	\$151,822 55	\$4,743 49

¹ This total, \$3,448,320.67, includes Everett's 1917 assessment, \$691.67, which was not paid until Jan. 28, 1918.

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1917.	Amount of Dec. 1, 1917, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1918.
\$250,000	Jan., 1934	\$120,111 35	\$226,354 71	\$23,645 29	\$1,080 00
300,000	Jan., 1936	132,164 76	269,601 21	30,398 79	1,181 00
500,000	Jan., 1937	211,071 19	447,956 12	52,043 88	1,873 00
50,000	July, 1938	20,066 27	45,193 26	4,806 74	161 00
250,000	July, 1939	96,233 52	225,493 35	24,506 65	763 00
225,000	Jan., 1940	69,982 71	167,262 39	57,737 61	1,678 00
162,500	July, 1940	56,834 98	138,677 28	23,822 72	692 00
55,000	Jan., 1943	15,014 38	40,412 52	14,587 48	348 00
150,000	July, 1943	37,408 59	102,702 28	47,297 72	1,130 00
150,000	Jan., 1944	36,186 42	101,333 85	48,666 15	1,092 00
150,000	Jan., 1945	31,523 10	91,841 33	58,158 67	1,228 00
150,000	Jan., 1946	26,282 36	79,666 17	70,333 83	1,399 00
150,000	Jan., 1947	25,960 70	81,889 21	68,110 79	1,278 00
25,000	Jan., 1949	3,219 91	10,991 43	14,008 57	234 00
\$2,567,500	—	\$882,116 24 ¹	\$2,029,375 11	\$538,124 89	\$14,127 00

¹ This figure includes Everett's 1917 assessment, \$160.05, which was not paid until Jan. 28, 1918.

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$452 01	\$91 47	\$30 55	\$574 03
Belmont, . . .	268 27	54 29	18 12	340 68
Boston, . . .	42,475 24	8,595 16	2,871 38	53,941 78
Braintree, . . .	214 48	43 40	14 52	272 40
Brookline, . . .	3,936 71	796 62	266 10	4,999 43
Cambridge, . . .	3,229 71	653 55	218 34	4,101 60
Canton, . . .	168 37	34 07	11 39	213 83
Chelsea, . . .	746 12	150 98	50 42	947 52
Cohasset, . . .	—	—	20 78	20 78
Dedham, . . .	393 32	79 59	26 61	499 52
Dover, . . .	185 83	37 60	12 57	236 00
Everett, . . .	814 59	164 84	55 07	1,034 50
Hingham, . . .	237 53	48 07	16 03	301 63
Hull, . . .	206 09	41 70	13 95	261 74
Lynn, . . .	2,263 52	458 04	153 03	2,874 59
Malden, . . .	1,154 12	233 54	77 98	1,465 64
Medford, . . .	748 22	151 41	50 61	950 24
Melrose, . . .	498 81	100 94	33 68	633 43
Milton, . . .	922 17	186 61	62 33	1,171 11
Nahant, . . .	383 54	77 61	25 95	487 10
Needham, . . .	217 97	44 11	14 75	276 83
Newton, . . .	2,271 21	459 59	153 55	2,884 35
Quincy, . . .	926 37	187 46	62 62	1,176 45
Revere, . . .	518 37	104 90	35 06	658 33
Saugus, . . .	166 97	33 79	11 29	212 05
Somerville, . . .	1,852 73	374 91	125 23	2,352 87
Stoneham, . . .	139 02	28 13	9 39	176 54
Swampscott, . . .	445 72	90 19	30 12	566 03
Wakefield, . . .	292 72	59 23	19 78	371 73
Waltham, . . .	827 86	167 52	55 97	1,051 35
Watertown, . . .	510 69	103 34	34 53	648 56
Wellesley, . . .	505 10	102 21	34 15	641 46
Weston, . . .	289 23	58 53	19 54	367 30
Westwood, . . .	118 76	24 03	8 06	150 85
Weymouth, . . .	270 36	54 71	18 26	343 33
Winchester, . . .	448 51	90 76	30 31	569 58
Winthrop, . . .	436 64	88 36	29 51	554 51
Woburn, . . .	324 86	65 74	21 96	412 56
	\$69,861 74	\$14,137 00	\$4,743 49	\$88,742 23

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$2,152 97	\$663 83	\$135 24	\$2,952 04
Belmont, . . .	1,277 81	393 99	80 22	1,752 02
Boston, . . .	202,316 15	62,380 38	12,711 93	277,408 46
Braintree, . . .	1,021 58	314 99	64 26	1,400 83
Brookline, . . .	18,751 16	5,781 57	1,178 10	25,710 83
Cambridge, . . .	15,383 60	4,743 24	966 63	21,093 47
Canton, . . .	801 96	247 27	50 40	1,099 63
Chelsea, . . .	3,553 90	1,095 78	223 23	4,872 91
Cohasset, . . .	—	—	91 98	91 98
Dedham, . . .	1,873 45	577 64	117 81	2,568 90
Dover, . . .	885 15	272 92	55 65	1,213 72
Everett, . . .	3,880 01	1,196 33	243 81	5,320 15
Hingham, . . .	1,131 39	348 84	70 98	1,551 21
Hull, . . .	981 65	302 67	61 74	1,346 06
Lynn, . . .	10,781 50	3,324 27	677 46	14,783 23
Malden, . . .	5,497 23	1,694 97	345 24	7,537 44
Medford, . . .	3,563 89	1,098 86	224 07	4,886 82
Melrose, . . .	2,375 92	732 57	149 10	3,257 59
Milton, . . .	4,392 46	1,354 33	275 94	6,022 73
Nahant, . . .	1,826 86	563 28	114 87	2,505 01
Needham, . . .	1,038 22	320 12	65 31	1,423 65
Newton, . . .	10,818 10	3,335 56	679 77	14,833 43
Quincy, . . .	4,412 43	1,360 49	277 20	6,050 12
Revere, . . .	2,469 10	761 30	155 19	3,385 59
Saugus, . . .	795 30	245 22	49 98	1,090 50
Somerville, . . .	8,824 86	2,720 98	554 40	12,100 24
Stoneham, . . .	662 20	204 18	41 58	907 96
Swampscott, . . .	2,123 02	654 59	133 35	2,910 96
Wakefield, . . .	1,394 27	429 90	87 57	1,911 74
Waltham, . . .	3,943 23	1,215 82	247 80	5,406 85
Watertown, . . .	2,432 49	750 01	152 88	3,335 38
Wellesley, . . .	2,405 87	741 81	151 20	3,298 88
Weston, . . .	1,377 64	424 77	86 52	1,888 93
Westwood, . . .	565 70	174 42	35 70	775 82
Weymouth, . . .	1,287 79	397 06	80 85	1,765 70
Winchester, . . .	2,136 33	658 69	134 19	2,929 21
Winthrop, . . .	2,079 76	641 25	130 62	2,851 63
Woburn, . . .	1,547 34	477 09	97 23	2,121 66
	\$332,762 29	\$102,600 99	\$21,000 00	\$456,363 28

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington,	\$4,259 14	\$19 11	\$308 01	\$1,109 88	\$5,696 14
Belmont,	2,400 12	11 34	182 70	658 72	3,252 88
Boston,	289,343 05	1,796 18	28,951 55	104,295 97	424,386 75
Braintree,	2,405 48	9 07	146 35	526 63	3,087 53
Brookline,	20,776 04	166 47	2,683 14	9,666 41	33,292 06
Cambridge,	30,847 97	136 58	2,201 51	7,930 40	41,116 46
Canton,	1,596 51	7 12	114 79	413 42	2,131 84
Chelsea,	10,232 66	31 55	508 41	1,832 07	12,604 69
Cohasset,	—	—	209 49	—	209 49
Dedham,	3,380 53	16 63	268 31	965 78	4,631 25
Dover,	878 62	7 86	126 74	456 30	1,469 52
Everett,	9,525 48	34 45	555 28	2,000 18	12,115 39
Hingham,	1,800 09	10 04	161 66	583 24	2,555 03
Hull,	1,178 63	8 72	140 61	506 05	1,834 01
Lynn,	24,933 39	95 72	1,542 92	5,557 97	32,130 00
Malden,	12,723 85	48 81	786 29	2,833 88	16,392 83
Medford,	8,046 83	31 64	510 32	1,837 22	10,426 01
Melrose,	4,778 81	21 09	339 58	1,224 81	6,364 29
Milton,	4,998 46	39 00	628 46	2,264 36	7,930 28
Nahant,	1,709 01	16 22	261 62	941 77	2,928 62
Needham,	1,944 74	9 22	148 74	535 21	2,637 91
Newton,	16,024 02	96 04	1,548 18	5,576 84	23,245 08
Quincy,	10,452 31	39 17	631 33	2,274 65	13,397 46
Revere,	6,257 46	21 92	353 45	1,272 84	7,905 67
Saugus,	2,373 33	7 06	113 83	409 99	2,904 21
Somerville,	21,842 16	78 35	1,262 65	4,549 30	27,732 46
Stoneham,	1,805 45	5 88	94 70	341 37	2,247 40
Swampscott,	2,951 93	18 85	303 71	1,094 44	4,368 93
Wakefield,	3,294 81	12 38	199 44	718 76	4,225 39
Waltham,	8,293 27	35 01	564 37	2,032 78	10,925 43
Watertown,	4,762 74	21 60	348 19	1,253 97	6,386 50
Wellesley,	3,026 94	21 33	344 36	1,240 25	4,632 91
Weston,	1,505 43	12 23	197 05	710 18	2,424 89
Westwood,	701 82	5 02	81 31	291 62	1,079 77
Weymouth,	3,407 31	11 43	184 14	663 87	4,266 75
Winchester,	3,418 03	18 97	305 61	1,101 30	4,843 91
Winthrop,	3,835 91	18 47	297 48	1,072 14	5,224 00
Woburn,	4,028 77	13 74	221 44	797 67	5,061 62
	\$535,741 10	\$2,954 30	\$47,827 72	\$171,542 24	\$758,065 36

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$131 02	\$179 17	\$310 19
Belmont,	77 76	106 34	184 10
Boston,	12,311 80	16,836 79	29,148 59
Braintree,	62 17	85 02	147 19
Brookline,	1,141 09	1,560 48	2,701 57
Cambridge,	936 16	1,280 23	2,216 39
Canton,	48 80	66 74	115 54
Chelsea,	216 27	295 76	512 03
Dedham,	114 01	155 91	269 92
Dover,	53 87	73 66	127 53
Everett,	236 12	322 90	559 02
Hingham,	68 85	94 15	163 00
Hull,	59 74	81 69	141 43
Lynn,	656 10	897 24	1,553 34
Malden,	334 53	457 48	792 01
Medford,	216 88	296 59	513 47
Melrose,	144 59	197 72	342 31
Milton,	267 30	365 54	632 84
Nahant,	111 17	152 03	263 20
Needham,	63 18	86 40	149 58
Newton,	658 33	900 28	1,558 61
Quincy,	268 52	367 20	635 72
Revere,	150 26	205 48	355 74
Saugus,	48 40	66 19	114 59
Somerville,	537 03	734 41	1,271 44
Stonham,	40 30	55 11	95 41
Swampscott,	129 20	176 68	305 88
Wakefield,	84 84	116 03	200 87
Waltham,	239 96	328 16	568 12
Watertown,	148 02	202 43	350 45
Wellesley,	146 40	200 22	346 62
Weston,	83 83	114 65	198 48
Westwood,	34 42	47 08	81 50
Weymouth,	78 36	107 17	185 53
Winchester,	130 00	177 78	307 78
Winthrop,	126 56	173 07	299 63
Woburn,	94 16	128 77	222 93
	\$20,250 00	\$27,692 55	\$47,942 55

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent.,	.	.	.	.	\$201,250 00	
Previously assessed,	.	.	.	.	23,000 00	
Outstanding,	.	.	.	.	\$178,250 00	
Serial bonds due Jan. 1, 1919,	.	.	.	.	.	\$11,500 00
Interest: —						
One year on \$178,250,	.	.	.	.	\$7,130 00	
Six months on 11,500,	.	.	.	.	230 00	
						7,360 00
						\$18,860 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston,	20	\$4,000 00	\$2,560 00	\$6,560 00
City of Quincy,	15	3,000 00	1,920 00	4,920 00
County of Norfolk,	5	1,000 00	640 00	1,640 00
County of Plymouth,	2½	500 00	320 00	820 00
Bay State Street Railway Company, .	15	3,000 00	1,920 00	4,920 00
	57½	\$11,500 00	\$7,360 00	\$18,860 00

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 36S, Special Acts of 1915.]

Bonds issued, 50 per cent.,	\$25,000 00	
Previously assessed,	6,000 00	
Outstanding,	\$19,000 00	
Serial bonds due Jan. 1, 1919,		\$3,000 00
Interest:—		
One year on \$19,000,	\$760 00	
Six months on \$3,000,	60 00	
		\$20 00
		\$3,820 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton,	25	\$1,500 00	\$410 00	\$1,910 00
Town of Weston,	10	600 00	164 00	764 00
County of Middlesex,	15	900 00	246 00	1,146 00
	50	\$3,000 00	\$820 00	\$3,820 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent.,	\$66,125 00	
Previously assessed,	19,837 50	
Outstanding,	\$46,287 50	
Serial bonds due Jan. 1, 1919,		\$6,612 50
Interest: —		
One year on \$46,287. 50,	\$1,851 50	
Six months on \$6,612.50,	132 25	
		1,983 75
		\$8,596 25

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden,	13	\$1,495 00	\$448 50	\$1,943 50
Medford,	16	1,840 00	552 00	2,392 00
Somerville,	11	1,265 00	379 50	1,644 50
Stoneham,	2½	287 50	86 25	373 75
Boston Elevated Railway Company,	15	1,725 00	517 50	2,242 50
	57½	\$6,612 50	\$1,983 75	\$8,596 25

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden,	15.2941	\$1,807 33
Medford,	18.8235	2,224 41
Somerville,	12.9412	1,529 28
Stoneham,	2.9412	347 57
	50.0000	\$5,908 59

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907, and Chapter 458 of the Acts of 1911.¹]

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent.).
Arlington,	\$1,636 79	\$759 10	\$2,395 89	24
Belmont,	1,159 39	537 70	1,697 09	17
Cambridge,	3,205 38	1,486 57	4,691 95	47
Somerville,	818 39	379 55	1,197 94	12
	\$6,819 95	\$3,162 92	\$9,982 87	100

¹ This table includes the eighth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the fifth assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1918: —

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	834,000 00	
	<hr/>	\$7,397,000 00

a decrease for the year of \$26,500.

Sinking fund April 1, 1918,	2,508,910 46	
	<hr/>	

an increase for the year of \$206,151.58.

Net sewerage, north system, debt, April 1, 1918,	\$4,888,089 54	
--	----------------	--

a decrease for the year of \$232,651.58.

Assessments, North System.

Sinking fund requirements,	\$119,725 49	
Serial bonds,	24,000 00	

Interest: —

One year on \$7,347,000,	\$233,815 00	
Four months on \$14,000,	186 67	
	<hr/>	

\$234,001 67

Adjustment of interest charges in 1917,	2,352 93	
	<hr/>	

231,648 74

Maintenance as appropriated by Legislature,	\$235,700 00	
---	--------------	--

Less balance on hand,	14,946 02	
	<hr/>	

220,753 98

Total north metropolitan sewerage assessment,	\$596,128 21	
---	--------------	--

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued,	\$62,000 00	
Previously assessed,	16,000 00	
	<hr/>	

Outstanding,	\$46,000 00	
------------------------	-------------	--

Assessment for 1918 is made up as follows: —

Serial bonds due Jan. 1, 1919,	\$2,000 00	
--	------------	--

Interest: —

One year on \$46,000,	\$1,610 00	
---------------------------------	------------	--

Four months on \$2,000,	23 34	
	<hr/>	

1,633 34

\$3,633 34

Everett and Malden one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued,	\$5,500 00	
Previously assessed,	1,500 00	
		<hr/>
Outstanding,	\$4,000 00	
Assessment for 1918 is made up as follows: —		
Serial bond due Jan. 1, 1919,	\$500 00	
Interest: —		
One year on \$4,000,	\$160 00	
Four months on \$500,	6 67	
		<hr/>
	166 67	
		<hr/>
		\$666 67

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1918: —		
Bonds outstanding (sinking fund),	\$8,877,912 00	
Bonds outstanding (serial),	699,000 00	
		<hr/>
		\$9,576,912 00

an increase for the year of \$314,000.

Sinking fund April 1, 1918,	1,466,677 05
---------------------------------------	--------------

an increase for the year of \$127,234.94.

Net sewerage, south system, debt, April 1, 1918,	\$8,110,234 95
--	----------------

an increase for the year of \$186,765.06.

Assessments, South System.

Sinking fund requirements,		\$74,272 86
Serial bonds,	\$21,000 00	
Less premium,	97 50	
		<hr/>
		20,902 50
Interest: —		
One year on \$9,576,912,	\$329,987 36	
Adjustment of interest charges		
in 1917,	5,032 18	
		<hr/>
	\$335,019 54	
Accrued interest,	7,583 33	
		<hr/>
		327,436 21
Maintenance as appropriated by Legislature,	\$145,860 00	
Less balance on hand,	2,895 70	
		<hr/>
		142,964 30
		<hr/>
Total south metropolitan sewerage assessment,		\$565,575 87

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total Assessment.
Arlington,	\$3,759 38	\$753 60	\$7,273 77	\$5,563 00	\$17,349 75
Belmont,	2,586 67	518 40	5,003 61	3,024 33	11,132 41
Boston,	17,108 77	3,429 60	33,102 61	39,404 59	93,045 57
Cambridge,	27,536 86	5,520 00	53,279 21	40,729 11	127,065 18
Chelsea,	6,165 86	1,236 00	11,929 91	16,247 49	35,579 26
Everett,	6,560 96	1,315 20	12,694 35	14,106 18	34,676 69
Lexington,	1,424 73	285 60	2,756 62	1,479 05	5,946 00
Malden,	8,979 41	1,800 00	17,373 66	18,300 50	46,453 57
Medford,	6,285 59	1,260 00	12,161 56	11,412 98	31,120 13
Melrose,	3,998 83	801 60	7,737 07	6,313 56	18,851 06
Reading, ¹	1,664 18	333 60	3,219 92	—	5,217 70
Revere,	4,501 68	902 40	8,709 99	9,426 19	23,540 26
Somerville,	15,288 95	3,064 80	29,581 55	32,494 99	80,430 29
Stoneham,	1,209 23	242 40	2,339 65	2,803 58	6,594 86
Wakefield,	2,514 24	504 00	4,864 62	4,790 36	12,673 22
Winchester,	3,843 19	770 40	7,435 92	3,752 82	15,802 33
Winthrop,	3,292 45	660 00	6,370 34	4,768 29	15,091 08
Woburn,	3,005 11	602 40	5,814 38	6,136 96	15,558 85
	\$119,725 49	\$24,000 00	\$231,648 74	\$220,753 98	\$596,128 21 ²

¹ Reading is also assessed \$7,000 for sinking fund requirements in accordance with section 5, chapter 159, General Acts of 1916.

² Exclusive of \$4,300.01, special assessments on Everett, Malden and Revere, which are included on page 5.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1917.	Amount of Dec. 1, 1917, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3 $\frac{3}{4}$ Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1918.
\$5,330,000 (2,975,917)	Jan., 1930 Sunk.	\$2,245,427 97	\$3,506,889 19	\$4,799,027 81	\$159,967 59	\$106,302 70
465,000 (242,125)	Jan., 1930 Sunk.	177,479 38	277,185 69	429,939 31	14,331 31	9,523 53
250,000 (52,083)	July, 1943 Sunk.	24,502 92	63,192 64	228,890 36	3,981 50	1,602 26
50,000 (10,416)	Jan., 1943 Sunk.	4,962 48	12,562 60	47,853 40	797 55	326 97
55,000 (11,458)	July, 1943 Sunk.	7,363 61	18,990 63	47,467 37	791 12	318 36
300,000 (33,750)	Jan., 1949 Sunk.	16,739 09	52,957 12	280,792 88	3,509 91	1,151 43
113,000 (12,555)	Jan., 1949 Sunk.	4,981 88	15,761 07	109,793 93	1,524 91	500 24
\$6,563,000 (3,338,304)	— Sunk.	\$2,481,457 33 ¹	\$3,947,538 94	\$5,953,765 06	\$184,903 89	\$119,725 49

¹ This figure includes Everett's 1917 assessment, \$6,291.45, which was not paid until Jan. 28, 1918.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1918.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{8}{30}$	$\frac{2}{30} + \frac{1}{3}$	$\frac{1}{30}$
265,000	1930	$\frac{7}{240} + \frac{8}{30}$	$\frac{2}{30} + \frac{1}{3}$	$\frac{1}{30}$
200,000	1930	$\frac{4}{240} + \frac{8}{30}$	$\frac{2}{30} + \frac{11}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{1}{3}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{1}{3}$	$\frac{1}{60}$
300,000	1949	$\frac{9}{80}$	$\frac{1}{30} + \frac{1}{6} + \frac{1}{3} + \frac{1}{3}$	$\frac{1}{80}$
113,000	1949	$\frac{8}{72}$	$\frac{1}{72} + \frac{1}{6} + \frac{1}{3} + \frac{1}{3}$	$\frac{1}{72}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1916, Chapter 171.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent.).
Arlington,	\$19,849,317	3.14	14,889	2.52
Belmont,	13,667,620	2.16	8,081	1.37
Boston:—				
Charlestown, }	90,335,800	14.29	105,281	17.85
East Boston, }				
Cambridge,	145,450,647	23.00	108,822	18.45
Chelsea,	32,562,957	5.15	43,426	7.36
Everett,	34,653,684	5.48	37,718	6.39
Lexington,	7,513,900 ¹	1.19	3,940 ²	.67
Malden,	47,406,486	7.50	48,907	8.29
Medford,	33,214,921	5.25	30,509	5.17
Melrose,	21,109,262	3.34	16,880	2.86
Reading,	8,775,394	1.39	—	—
Revere,	23,812,667	3.76	25,178	4.27
Somerville,	80,729,831	12.77	86,854	14.72
Stonham,	6,389,965	1.01	7,489	1.27
Wakefield,	13,288,394	2.10	12,781	2.17
Winchester,	20,298,615	3.21	10,005	1.70
Winthrop,	17,378,910	2.75	12,758	2.16
Woburn,	15,899,337	2.51	16,410	2.78
	\$632,337,707	100.00	589,928	100.00

¹ 66.67 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total Assessment.
Boston,	\$31,320 87	\$8,814 59	\$138,079 85	\$78,987 78	\$257,203 09
Brookline,	16,696 54	4,698 88	73,607 66	11,665 89	106,668 97
Dedham,	1,596 87	449 40	7,039 88	3,845 74	12,931 89
Milton,	3,594 81	1,011 68	15,847 91	3,002 25	23,456 65
Newton,	9,254 40	2,604 45	40,798 55	15,025 55	67,682 95
Quincy,	4,337 53	1,220 71	19,122 28	14,167 76	38,848 28
Waltham,	3,178 87	894 63	14,014 27	10,507 87	28,595 64
Watertown,	2,213 33	622 89	9,757 60	5,761 46	18,355 28
Wellesley, ¹	2,079 64	585 27	9,168 21	—	11,833 12
	\$74,272 86	\$20,902 50	\$327,436 21	\$142,964 30	\$565,575 87

¹ Wellesley is also assessed \$6,775.23 for sinking fund requirements in accordance with section 5, chapter 343, Acts of 1914.

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1917.	Amount of Dec. 1, 1917, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1918.
\$800,000 (446,667)	Jan., 1930 Sunk.	\$338,119 49	\$543,843 97	\$702,823 03	\$23,427 43	\$15,153 77
839,000 (328,608)	Mar., 1935 Sunk.	209,612 43	410,982 06	756,625 94	25,220 86	13,383 02
65,000 (23,292)	Mar., 1936 Sunk.	14,406 03	29,386 67	58,905 33	1,963 51	1,001 44
1,024,912 (281,851)	July, 1939 Sunk.	158,202 84	370,699 20	936,063 80	15,601 06	6,927 03
3,586,000 (926,383)	July, 1940 Sunk.	494,513 39	1,205,551 53	3,306,831 47	55,113 85	23,520 86
996,000 (207,500)	Jan., 1943 Sunk.	99,375 44	267,477 74	936,022 26	15,600 37	6,030 12
392,000 (75,133)	July, 1944 Sunk.	33,366 02	95,304 52	371,828 48	6,197 14	2,257 26
175,000 (27,708)	Jan., 1946 Sunk.	18,744 12	56,816 52	145,891 48	2,431 52	834 58
1,000,000 (158,333)	Jan., 1946 Sunk.	84,287 11	255,488 15	902,844 85	15,047 41	5,164 78
\$8,877,912 (2,475,475)	— Sunk.	\$1,450,626 87	\$3,235,550 36	\$8,117,836 64	\$160,603 15	\$74,272 86

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1918.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{8}{30}$	$\frac{2}{30} + \frac{3}{8}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{3}{30}$	$\frac{7}{30} + \frac{3}{8}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6} + \frac{2}{30}$	$\frac{8}{30} + \frac{3}{8}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{9}{60}$	$\frac{1}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
3,586,000	1940	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
996,000	1943	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{1}{60}$	$\frac{6}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
175,000	1946	$\frac{1}{8} + \frac{2}{60}$	$\frac{8}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
1,000,000	1946	$\frac{1}{8} + \frac{2}{60}$	$\frac{8}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation. General Acts of 1916, Chapter 171.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent.).
Waltham	\$33,696,959	4.28	30,154	7.35
Watertown,	23,480,955	2.98	16,515	4.03
Newton,	98,091,454	12.46	43,113	10.51
Boston,	331,852,800	42.17	226,645	55.25
Brighton District, . . .	\$57,167,700		34,782	
Back Bay District, . . .	80,297,200		23,127	
Roxbury District, . . .	52,109,100		51,588	
West Roxbury District, .	54,434,800		37,196	
Dorchester District, . .	68,406,500		62,002	
Hyde Park District, . . .	19,437,500		17,950	
Brookline,	176,891,658	22.48	33,490	8.16
Dedham,	16,868,807 ¹	2.15	11,043	2.69
Milton,	38,117,803	4.84	8,600	2.10
Quincy,	45,960,081	5.84	40,674	9.91
Wellesley,	22,047,607	2.80		
	\$787,008,124	100.00	410,234	100.00

¹ 96.55 per cent. of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1917 and 1918.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1917.	1918.	1917.	1918.
Arlington, . .	\$11,862 66	\$11,928 29	\$16,274 29	\$17,349 75
Belmont, . .	7,189 54	7,226 77	10,493 59	11,132 41
Boston, . .	775,829 27	791,445 58	322,177 57	350,248 66
Braintree, . .	4,864 27	4,907 95	—	—
Brookline, . .	65,011 55	66,703 89	98,199 48	106,668 97
Cambridge, . .	72,469 54	73,219 87	119,189 91	127,065 18
Canton, . .	3,515 41	3,560 84	—	—
Chelsea, . .	18,856 25	18,937 15	32,918 90	35,579 26
Cohasset, . .	306 53	322 25	—	—
Dedham, . .	7,850 21	7,969 59	11,858 16	12,931 89
Dover, . .	2,963 00	3,046 77	—	—
Everett, . .	18,878 00	19,029 06	34,098 01	36,493 36
Hingham, . .	4,489 63	4,570 87	—	—
Hull, . .	3,498 10	3,583 24	—	—
Lexington, . .	—	—	5,617 61	5,946 00
Lynn, . .	50,862 90	51,341 16	—	—
Malden, . .	29,681 75	29,938 75	45,105 54	48,270 24
Medford, . .	21,210 67	21,392 95	29,056 20	31,120 13
Melrose, . .	10,464 99	10,597 62	17,657 22	18,851 06
Milton, . .	15,365 56	15,756 96	21,585 77	23,456 65
Nahant, . .	6,007 03	6,183 93	—	—
Needham, . .	4,424 51	4,487 97	—	—
Newton, . .	43,668 93	44,431 47	62,161 76	67,682 95
Quincy, . .	26,113 47	26,179 75	35,572 23	38,848 28
Reading, . .	—	—	12,051 52	12,217 70
Revere, . .	12,216 63	12,305 33	22,591 16	24,206 93
Saugus, . .	4,306 41	4,321 35	—	—
Somerville, . .	47,509 05	47,828 73	74,814 24	80,430 29
Stoneham, . .	4,127 06	4,148 63	6,121 29	6,594 86
Swampscott, . .	7,983 03	8,151 80	—	—
Wakefield, . .	6,650 59	6,709 73	11,819 32	12,673 22
Waltham, . .	17,745 37	17,951 75	26,182 68	28,595 64
Watertown, . .	10,580 13	10,720 89	16,825 40	18,355 28
Wellesley, . .	8,716 51	8,919 87	17,693 81	18,608 35
Weston, . .	5,542 47	5,643 60	—	—
Westwood, . .	2,039 73	2,087 94	—	—
Weymouth, . .	6,520 56	6,561 31	—	—
Winchester, . .	8,497 74	8,650 48	14,946 29	15,802 33
Winthrop, . .	8,800 43	8,929 77	14,162 24	15,091 08
Woburn, . .	7,767 29	7,818 77	14,486 46	15,558 85
	\$1,364,386 77	\$1,387,512 63	\$1,093,660 65	\$1,179,779 32

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1918: —

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	313,000 00	
	<hr/>	\$4,438,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1918, 966,520 55

an increase for the year of \$74,040.44.

Net Charles River Basin debt, April 1, 1918, \$3,471,479 45

a decrease for the year of \$84,040.44.

TOTAL CHARLES RIVER BASIN LOAN — ASSESSMENT FOR 1918.

<i>District.</i>		
Serial bonds,		\$10,000 00
Interest: —		
One year on \$4,125,000,	\$142,250 00	
Six months on \$323,000,	5,830 00	
Six months on \$313,000,	5,650 00	
Adjustment of interest charges in 1917,	3,047 56	
	<hr/>	\$156,777 56
Less interest on bridge,	41,381 82	
	<hr/>	115,395 74
Maintenance as appropriated by Legislature,	\$167,114 84	
Less balance on hand,	11,307 08	
	<hr/>	155,807 76
Total Charles River Basin district assessment,		\$281,203 50

Charles River Bridge.

Sinking fund,	\$10,195 61
Interest,	41,381 82
	<hr/>
	\$51,577 43

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1917.	Amount of Dec. 1, 1917, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at $3\frac{3}{4}$ Per Cent.	Balance.	Sinking Fund Require- ments for 1918.
\$177,272 73	Jan., 1944	\$176,551 95	\$463,862 04	-	-
283,636 36	Jan., 1945	302,843 90	825,791 47	-	-
425,454 55	Jan., 1946	293,292 30	830,017 92	-	-
815,454 55	Jan., 1947	378,211 07	1,110,852 22	-	-
283,636 36	Jan., 1948	92,632 34	282,370 89	-	-
602,727 28	Jan., 1949	116,596 28	368,873 30	-	-
336,818 17	Jan., 1950	15,014 07	49,297 64	-	-
\$2,925,000 00	-	\$1,375,141 91 ¹	\$3,931,065 48	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$22,105 46	\$58,078 56	\$14,648 71	\$340 72
116,363 64	Jan., 1945	36,472 68	99,453 31	16,910 33	370 67
174,545 45	Jan., 1946	41,117 09	116,361 46	58,183 99	1,203 47
334,545 45	Jan., 1947	62,599 07	183,861 13	150,684 32	2,944 38
116,363 64	Jan., 1948	18,140 64	55,298 06	61,065 58	1,128 46
247,272 72	Jan., 1949	31,025 44	98,154 56	149,118 16	2,608 68
138,181 83	Jan., 1950	12,702 05	41,706 29	96,475 54	1,599 23
\$1,200,000 00	-	\$224,162 43	\$652,913 37	\$547,086 63	\$10,195 61

¹ Includes \$643,932.59, balance of cost of embankment which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	For Sinking Fund, Interest and Maintenance Requirements.
Arlington, . . . . .	.00647
Belmont, . . . . .	.00384
Boston, . . . . .	.60799
Braintree, . . . . .	.00307
Brookline, . . . . .	.05635
Cambridge, . . . . .	.04623
Canton, . . . . .	.00241
Chelsea, . . . . .	.01068
Dedham, . . . . .	.00563
Dover, . . . . .	.00266
Everett, . . . . .	.01166
Hingham, . . . . .	.00340
Hull, . . . . .	.00295
Lynn, . . . . .	.03240
Malden, . . . . .	.01652
Medford, . . . . .	.01071
Melrose, . . . . .	.00714
Milton, . . . . .	.01320
Nahant, . . . . .	.00549
Needham, . . . . .	.00312
Newton, . . . . .	.03251
Quincy, . . . . .	.01326
Revere, . . . . .	.00742
Saugus, . . . . .	.00239
Somerville, . . . . .	.02652
Stoneham, . . . . .	.00199
Swampscott, . . . . .	.00638
Wakefield, . . . . .	.00419
Waltham, . . . . .	.01185
Watertown, . . . . .	.00731
Wellesley, . . . . .	.00723
Weston, . . . . .	.00414
Westwood, . . . . .	.00170
Weymouth, . . . . .	.00387
Winchester, . . . . .	.00642
Winthrop, . . . . .	.00625
Woburn, . . . . .	.00465
	1.00000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Assessment.
Arlington, . . .	\$746 61	\$1,008 08	\$64 70	\$1,819 39
Belmont, . . .	443 12	598 30	38 40	1,079 82
Boston, . . .	70,159 46	94,729 56	6,079 90	170,968 92
Braintree, . . .	354 26	478 33	30 70	863 29
Brookline, . . .	6,502 55	8,779 77	563 50	15,845 82
Cambridge, . . .	5,334 75	7,202 99	462 30	13,000 04
Canton, . . .	278 10	375 50	24 10	677 70
Chelsea, . . .	1,232 43	1,664 03	106 80	3,003 26
Dedham, . . .	649 68	877 20	56 30	1,583 18
Dover, . . .	306 95	414 45	26 60	748 00
Everett, . . .	1,345 51	1,816 72	116 60	3,278 83
Hingham, . . .	392 35	529 75	34 00	956 10
Hull, . . .	340 42	459 63	29 50	829 55
Lynn, . . .	3,738 82	5,048 17	324 00	9,110 99
Malden, . . .	1,906 34	2,573 95	165 20	4,645 49
Medford, . . .	1,235 89	1,668 70	107 10	3,011 69
Melrose, . . .	823 93	1,112 47	71 40	2,007 80
Milton, . . .	1,523 22	2,056 66	132 00	3,711 88
Nahant, . . .	633 52	855 38	54 90	1,543 80
Needham, . . .	360 03	486 12	31 20	877 35
Newton, . . .	3,751 52	5,065 31	325 10	9,141 93
Quincy, . . .	1,530 15	2,066 01	132 60	3,728 76
Revere, . . .	856 24	1,156 09	74 20	2,086 53
Saugus, . . .	275 80	372 38	23 90	672 08
Somerville, . . .	3,060 30	4,132 02	265 20	7,457 52
Stoneham, . . .	229 64	310 06	19 90	559 60
Swampscott, . . .	736 22	994 05	63 80	1,794 07
Wakefield, . . .	483 51	652 83	41 90	1,178 24
Waltham, . . .	1,367 44	1,846 32	118 50	3,332 26
Watertown, . . .	843 54	1,138 95	73 10	2,055 59
Wellesley, . . .	834 31	1,126 49	72 30	2,033 10
Weston, . . .	477 73	645 04	41 40	1,164 17
Westwood, . . .	196 17	264 87	17 00	478 04
Weymouth, . . .	446 58	602 98	38 70	1,088 26
Winchester, . . .	740 84	1,000 29	64 20	1,805 33
Winthrop, . . .	721 22	973 80	62 50	1,757 52
Woburn, . . .	536 59	724 51	46 50	1,307 60
	\$115,395 74	\$155,807 76	\$10,000 00	\$281,203 50 ¹

¹ Exclusive of \$51,577.43, special assessments on Boston and Cambridge, and \$25,757.75, embankment interest on Boston, which are included on page 5.

Analysis of Charles River Basin Debt, July 1, 1918.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,438,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,390,363 57
Sinking fund, . . .	972,614 07	114,036 77	114,036 77	204,277 16	540,263 37
	\$3,465,385 93	\$485,963 23	\$485,963 23	\$643,359 27	\$1,850,100 20

STATEMENT OF THE DEBTS OF THE METROPOLITAN

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund), .		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial), . .		249,500 00		-		\$27,018 75	
Gross debt,		\$9,034,500 00		\$700,000 00		\$3,394,518 75	
Sinking funds, July 1, 1918, . .		3,259,284 29		249,168 49		900,687 19	
Net debt,		\$5,775,215 71 5,756,215 71 ²		\$450,831 51		\$2,493,831 56 2,269,294 06*	

		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00647	\$37,242 72	.00644	\$2,903 36	.00647	\$14,682 33
2	Belmont, . . . . .	.00384	22,103 87	.00382	1,722 18	.00384	8,714 09
3	Boston, . . . . .	.60799	3,499,721 59	.60533	272,901 84	.60799	1,441,708 10
4	Braintree, . . . . .	.00307	17,671 58	.00306	1,379 55	.00307	6,966 73
5	Brookline, . . . . .	.05635	324,362 76	.05610	25,291 65	.05635	127,874 72
6	Cambridge, . . . . .	.04623	266,109 85	.04603	20,751 77	.04623	104,909 46
7	Canton, . . . . .	.00241	13,872 48	.00240	1,082 00	.00241	5,469 00
8	Chelsea, . . . . .	.01068	61,476 38	.01063	4,792 34	.01068	24,236 06
9	Cohasset,	-	-	.00438	1,974 64	-	-
10	Dedham, . . . . .	.00563	32,407 50	.00561	2,529 16	.00563	12,776 13
11	Dover, . . . . .	.00266	15,311 53	.00265	1,194 70	.00266	6,036 32
12	Everett, . . . . .	.01166	67,117 48	.01161	5,234 15	.01166	26,459 97
13	Hingham, . . . . .	.00340	19,571 13	.00338	1,523 81	.00340	7,715 60
14	Hull, . . . . .	.00295	16,980 84	.00294	1,325 44	.00295	6,694 42
15	Lexington,	-	-	-	-	-	-
16	Lynn, . . . . .	.03240	186,501 39	.03226	14,543 82	.03240	73,525 13
17	Malden, . . . . .	.01652	95,092 68	.01644	7,411 67	.01652	47,953 74
18	Medford, . . . . .	.01071	61,649 07	.01067	4,810 37	.01071	37,184 14
19	Melrose, . . . . .	.00714	41,099 38	.00710	3,200 90	.00714	16,202 76
20	Milton, . . . . .	.01320	75,982 05	.01314	5,923 93	.01320	29,954 68
21	Nahant, . . . . .	.00549	31,601 62	.00547	2,466 05	.00549	12,458 42
22	Needham, . . . . .	.00312	17,959 39	.00311	1,402 09	.00312	7,080 20
23	Newton, . . . . .	.03251	196,634 57	.03237	14,593 42	.03251	73,774 75
24	Quincy, . . . . .	.01326	76,327 42	.01320	5,950 98	.01326	70,590 84
25	Reading,	-	-	-	-	-	-
26	Revere, . . . . .	.00742	42,711 12	.00739	3,331 64	.00742	16,838 16
27	Saugus, . . . . .	.00239	13,757 36	.00238	1,072 98	.00239	5,423 61
28	Somerville, . . . . .	.02652	152,654 84	.02640	11,901 95	.02652	69,036 68
29	Stoneham, . . . . .	.00199	11,454 87	.00198	892 65	.00199	6,528 40
30	Swampscott, . . . . .	.00638	36,724 66	.00635	2,862 78	.00638	14,478 10
31	Wakefield, . . . . .	.00419	24,118 54	.00417	1,879 97	.00419	9,508 34
32	Waltham, . . . . .	.01185	68,211 16	.01180	5,319 81	.01185	26,891 13
33	Watertown, . . . . .	.00731	42,077 94	.00728	3,282 05	.00731	16,588 54
34	Wellesley, . . . . .	.00723	41,617 44	.00720	3,245 99	.00723	16,407 00
35	Weston, . . . . .	.00414	27,630 73	.00412	1,857 43	.00414	9,394 88
36	Westwood, . . . . .	.00170	9,785 57	.00170	766 41	.00170	3,857 80
37	Weymouth, . . . . .	.00387	22,276 55	.00385	1,735 70	.00387	8,782 17
38	Winchester, . . . . .	.00642	36,951 90	.00639	2,880 81	.00642	14,568 87
39	Winthrop, . . . . .	.00625	35,976 35	.00622	2,804 17	.00625	14,183 08
40	Woburn, . . . . .	.00465	26,766 40	.00463	2,087 35	.00465	10,552 21
1 00000			\$5,769,515 71 ³	1 00000			\$450,831 51
						1 00000	\$2,412,006 56 ⁴

¹ See page 35 for details.² District proportion.

DISTRICT (CHAPTER 526, ACTS OF 1911) FOR 1918.

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00		TOTAL.	
834,000 00		699,000 00		1,213,000 00		313,000 00			
\$7,397,000 00		\$9,576,912 00		\$42,611,000 00		\$4,438,000 00			
2,524,819 82		1,475,923 86		14,341,812 88		972,614 07			
\$4,872,180 18		\$8,100,988 14		\$28,269,187 12		\$3,465,385 93 ¹			
4,822,180 18 ²						1,850,100 20 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0314	\$151,416 46	-	-	.009392	\$265,504 21	.00647	\$11,970 15	\$483,719 23	1
.0216	104,159 09	-	-	.004927	139,282 29	.00384	7,104 38	283,085 90	2
.1429	689,089 55	.4217	\$3,416,186 70	.752284	21,266,457 16	.60799	2,254,164 92	32,840,229 86	3
-	-	-	-	-	-	.00307	5,679 81	31,697 67	4
-	-	.2248	1,821,102 13	-	-	.05635	104,253 15	2,402,884 41	5
.2300	1,109,101 44	-	-	-	-	.04623	571,493 36	2,072,365 88	6
-	-	-	-	-	-	.00241	4,458 74	24,882 22	7
.0515	248,342 28	-	-	.025082	709,047 75	.01068	19,759 07	1,067,653 88	8
-	-	-	-	-	-	-	-	1,974 64	9
-	-	.0215	174,171 25	-	-	.00563	10,416 06	232,300 10	10
-	-	-	-	-	-	.00266	4,921 27	27,463 82	11
.0548	287,255 47	-	-	.024992	706,503 53	.01166	21,572 17	1,114,142 77	12
-	-	-	-	-	-	.00340	6,290 34	35,100 88	13
-	-	-	-	-	-	.00295	5,457 80	30,458 50	14
.0119	57,383 95	-	-	.004061	114,801 17	-	-	172,185 12	15
-	-	-	-	-	-	.03240	59,943 25	334,513 59	16
.0750	384,663 51	-	-	.021583	610,133 87	.01652	30,563 66	1,175,819 13	17
.0525	253,164 46	-	-	.015766	445,692 00	.01071	19,814 57	822,314 61	18
.0334	161,060 82	-	-	.008738	247,016 16	.00714	13,209 72	481,789 74	19
-	-	.0484	392,087 83	.005371	151,833 80	.01320	24,421 32	680,203 61	20
-	-	-	-	.001663	47,011 66	.00549	10,157 05	103,694 80	21
-	-	-	-	-	-	.00312	5,772 31	32,213 99	22
-	-	.1246	1,009,383 12	.002520	71,238 35	.03251	60,146 76	1,425,770 97	23
-	-	.0584	473,097 71	.025051	708,171 41	.01326	24,532 33	1,364,670 69	24
.0139	67,028 31	-	-	-	-	-	-	67,028 31	25
.0376	185,313 98	-	-	.014006	395,938 23	.00742	13,727 74	657,860 87	26
-	-	-	-	-	-	.00239	4,421 74	24,675 69	27
.1277	615,792 41	-	-	.054167	1,531,257 06	.02652	49,064 66	2,429,707 60	28
.0101	48,704 02	-	-	.004325	122,264 23	.00199	3,681 70	193,525 87	29
-	-	-	-	.005337	150,872 65	.00638	11,803 64	216,741 83	30
.0210	101,265 78	-	-	-	-	.00419	7,751 92	144,524 55	31
-	-	.0428	346,722 29	-	-	.01185	21,923 69	469,068 08	32
-	-	.0298	241,409 44	.013457	380,418 45	.00731	13,524 23	697,300 65	33
-	-	.0280	226,827 67	-	-	.00723	13,376 22	301,474 32	34
-	-	-	-	-	-	.00414	7,659 41	46,542 45	35
-	-	-	-	-	-	.00170	3,145 17	17,554 95	36
-	-	-	-	-	-	.00327	7,159 89	39,954 31	37
.0321	154,791 98	-	-	-	-	.00642	11,877 64	221,074 20	38
.0275	132,609 95	-	-	.007278	205,743 14	.00625	11,563 13	402,879 82	39
.0251	121,036 72	-	-	-	-	.00465	8,602 96	169,045 64	40
1.0000	\$4,872,180 18	1.0000	\$8,100,988 14	1.000000	\$28,269,187 12	1.000000	\$3,465,385 93	\$53,340,095 15	

¹ Exclusive of \$5,700, share of county of Middlesex.² Exclusive of \$81,825, share of certain counties and street railways.

CORRECTED STATEMENT OF THE DEBTS OF THE METRO

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund), .		\$8,735,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial), . . .		272,750 00		-		568,325 00	
Gross debt,		\$9,057,750 00		\$700,000 00		\$3,435,825 00	
Sinking funds, July 1, 1917, . . .		3,089,844 61		236,536 42		854,557 13	
Net debt,		\$5,967,905 39 5,945,905 39 ²		\$463,163 58		\$2,581,267 87 2,338,617 87 ²	

		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00647	\$38,470 01	.00644	\$2,982 77	.00647	\$15,130 86
2	Belmont, . . . . .	.00384	22,832 28	.00382	1,769 28	.00384	8,980 29
3	Boston, . . . . .	.60799	3,615,051 02	.60533	280,366 81	.60799	1,487,856 28
4	Braintree, . . . . .	.00307	18,253 93	.00306	1,417 28	.00307	7,179 56
5	Brookline, . . . . .	.05635	335,051 77	.05610	25,983 48	.05635	131,781 12
6	Cambridge, . . . . .	.04623	274,879 21	.04603	21,319 42	.04623	108,114 30
7	Canton, . . . . .	.00241	14,329 63	.00240	1,111 59	.00241	5,636 07
8	Chelsea, . . . . .	.01068	63,502 27	.01063	4,923 43	.01068	24,976 44
9	Cohasset,	-	-	.00438	2,028 66	-	-
10	Dedham, . . . . .	.00563	33,475 45	.00561	2,598 35	.00563	13,166 42
11	Dover, . . . . .	.00266	15,816 11	.00265	1,227 38	.00266	6,220 72
12	Everett, . . . . .	.01166	69,329 26	.01161	5,377 33	.01166	27,268 28
13	Hingham, . . . . .	.00340	20,216 08	.00338	1,565 49	.00340	7,951 30
14	Hull, . . . . .	.00295	17,540 42	.00294	1,361 70	.00295	6,898 92
15	Lexington,	-	-	-	-	-	-
16	Lynn, . . . . .	.03240	192,647 33	.03226	14,941 66	.03240	75,771 22
17	Malden, . . . . .	.01652	98,226 36	.01644	7,614 41	.01652	50,593 97
18	Medford, . . . . .	.01071	63,630 65	.01067	4,941 96	.01071	39,766 60
19	Melrose, . . . . .	.00714	42,453 76	.00710	3,288 46	.00714	16,697 73
20	Milton, . . . . .	.01320	78,485 95	.01314	6,085 97	.01320	30,869 76
21	Nahant, . . . . .	.00549	32,643 02	.00547	2,533 50	.00549	12,839 01
22	Nedham, . . . . .	.00312	18,551 22	.00311	1,440 44	.00312	7,296 49
23	Newton, . . . . .	.03251	204,301 38	.03237	14,992 61	.03251	76,028 47
24	Quincy, . . . . .	.01326	78,842 71	.01320	6,113 76	.01326	80,510 07
25	Reading,	-	-	-	-	-	-
26	Revere, . . . . .	.00742	44,118 62	.00739	3,422 78	.00742	17,352 54
27	Saugus, . . . . .	.00239	14,210 71	.00238	1,102 33	.00239	5,589 30
28	Somerville, . . . . .	.02652	157,685 41	.02640	12,227 52	.02652	72,140 15
29	Stoneham, . . . . .	.00199	11,832 35	.00198	917 06	.00199	6,953 85
30	Swampscott, . . . . .	.00638	37,934 88	.00635	2,941 09	.00638	14,920 38
31	Wakefield, . . . . .	.00419	24,913 34	.00417	1,931 39	.00419	9,798 81
32	Waltham, . . . . .	.01185	70,458 98	.01180	5,465 33	.01185	27,712 62
33	Watertown, . . . . .	.00731	43,464 57	.00728	3,371 83	.00731	17,095 30
34	Wellesley, . . . . .	.00723	42,988 89	.00720	3,334 78	.00723	16,908 21
35	Weston, . . . . .	.00414	29,016 05	.00412	1,908 23	.00414	9,681 88
36	Westwood, . . . . .	.00170	10,108 04	.00170	787 38	.00170	3,975 65
37	Weymouth, . . . . .	.00387	23,010 65	.00385	1,783 18	.00387	9,050 45
38	Winchester, . . . . .	.00642	38,172 71	.00639	2,959 62	.00642	15,013 02
39	Winthrop, . . . . .	.00625	37,161 91	.00622	2,880 88	.00625	14,616 36
40	Woburn, . . . . .	.00465	27,648 46	.00463	2,144 44	.00465	10,874 57
1 00000			\$5,961,305 39 ²	1.00000	\$403,163 58	1.00000	\$2,493,217 87 ²

¹ See page 33 of Public Document No. 92 for 1917 for details.² District proportion.

POLITAN DISTRICT (CHAPTER 526, ACTS OF 1911) FOR 1917.

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00		TOTAL.	
860,500 00		385,000 00		1,250,000 00		323,000 00			
\$7,423,500 00		\$9,262,912 00		\$42,648,000 00		\$4,448,000 00			
2,323,137 99		1,351,297 52		13,529,421 92		904,023 43			
\$5,100,362 01 5,047,862 01 ²		\$7,911,614 48		\$29,118,578 08		\$3,543,976 57 ¹ 1,909,675 61 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0314	\$158,502 87	-	-	.008900	\$259,155 34	.00647	\$12,355 60	\$486,597 45	1
.0216	109,033 82	-	-	.004823	140,438 90	.00384	7,333 16	290,387 73	2
.1429	721,339 48	.4217	\$3,336,327 83	.758998	22,100,942 53	.60799	2,300,723 74	33,842,607 69	3
-	-	-	-	-	-	.00307	5,862 70	32,713 47	4
-	-	.2248	1,778,530 94	-	-	.05635	107,610 22	2,378,957 53	5
.2300	1,161,008 26	-	-	-	-	.04623	582,925 20	2,148,246 39	6
-	-	-	-	-	-	.00241	4,602 32	25,679 61	7
.0515	259,964 89	-	-	.024182	704,145 46	.01068	20,395 34	1,077,907 83	8
-	-	-	-	-	-	-	-	2,028 66	9
-	-	.0215	170,099 71	-	-	.00563	10,751 47	230,091 40	10
-	-	-	-	-	-	.00266	5,079 74	28,343 95	11
.0548	300,622 84	-	-	.023448	682,772 42	.01166	22,266 82	1,107,636 95	12
-	-	-	-	-	-	.00340	6,492 90	36,225 77	13
-	-	-	-	-	-	.00295	5,633 54	31,434 58	14
.0119	60,069 56	-	-	.004054	118,046 72	-	-	178,116 28	15
-	-	-	-	-	-	.03240	61,873 49	345,233 70	16
.0750	402,589 65	-	-	.022370	651,382 59	.01652	31,547 84	1,241,954 82	17
.0525	265,012 76	-	-	.014585	424,694 46	.01071	20,452 63	818,549 06	18
.0334	168,598 59	-	-	.008160	237,607 60	.00714	13,635 08	482,281 22	19
-	-	.0484	382,922 14	.007921	230,648 26	.01320	25,207 72	754,219 80	20
-	-	-	-	.002400	69,884 59	.00549	10,484 12	128,384 24	21
-	-	-	-	-	-	.00312	5,958 19	33,246 34	22
-	-	.1246	985,787 16	.002826	82,289 10	.03251	62,083 55	1,425,482 27	23
-	-	.0584	462,038 29	.025578	744,794 99	.01326	25,322 30	1,397,622 12	24
.0139	70,165 28	-	-	-	-	-	-	70,165 28	25
.0376	194,299 61	-	-	.013728	399,739 84	.00742	14,169 79	673,103 18	26
-	-	-	-	-	-	.00239	4,564 12	25,466 46	27
.1277	644,611 98	-	-	.051304	1,493,899 53	.02652	50,644 60	2,431,209 19	28
.0101	50,983 41	-	-	.003732	108,670 53	.00199	3,800 25	183,157 45	29
-	-	-	-	.005398	157,182 08	.00638	12,183 73	225,162 16	30
.0210	106,005 10	-	-	-	-	.00419	8,001 54	150,650 18	31
-	-	.0428	338,617 10	-	-	.01185	22,629 66	464,883 69	32
-	-	.0298	235,766 11	.010417	303,328 23	.00731	13,959 73	616,985 77	33
-	-	.0280	221,525 20	-	-	.00723	13,806 95	298,564 03	34
-	-	-	-	-	-	.00414	7,906 06	48,512 22	35
-	-	-	-	-	-	.00170	3,246 45	18,117 52	36
-	-	-	-	-	-	.00387	7,390 44	41,234 72	37
.0321	162,036 37	-	-	-	-	.00642	12,260 12	230,442 74	38
.0275	138,816 21	-	-	.007176	208,954 91	.00625	11,935 47	414,365 74	39
.0251	126,701 33	-	-	-	-	.00465	8,879 99	176,248 79	40
1.0000	\$5,100,362 01	1.0000	\$7,911,614 48	1.000000	\$29,118,578 08	1.00000	\$3,543,976 57	\$54,592,217 98	

³ Exclusive of \$6,600, share of county of Middlesex.⁴ Exclusive of \$88,050, share of certain counties and street railways.

SINKING FUND TABLES.

One dollar put in each year, with interest at the rate of 4 per cent. per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	=	1.04040000	\$1 each year for 19 years	=	28.90197165
\$1 in 2 years	=	1.08243216	\$1 in 20 years	=	2.20803964
\$1 each year for 2 years	=	2.12283216	\$1 each year for 20 years	=	31.11001129
\$1 in 3 years	=	1.12616241	\$1 in 21 years	=	2.29724444
\$1 each year for 3 years	=	3.24899457	\$1 each year for 21 years	=	33.40725573
\$1 in 4 years	=	1.17165938	\$1 in 22 years	=	2.39005311
\$1 each year for 4 years	=	4.42065395	\$1 each year for 22 years	=	35.79730884
\$1 in 5 years	=	1.21899441	\$1 in 23 years	=	2.48661126
\$1 each year for 5 years	=	5.63964836	\$1 each year for 23 years	=	38.28392010
\$1 in 6 years	=	1.26824179	\$1 in 24 years	=	2.58707035
\$1 each year for 6 years	=	6.90789015	\$1 each year for 24 years	=	40.87099045
\$1 in 7 years	=	1.31947875	\$1 in 25 years	=	2.69158799
\$1 each year for 7 years	=	8.22736890	\$1 each year for 25 years	=	43.56257844
\$1 in 8 years	=	1.37278570	\$1 in 26 years	=	2.80032815
\$1 each year for 8 years	=	9.60015460	\$1 each year for 26 years	=	46.36290659
\$1 in 9 years	=	1.42824624	\$1 in 27 years	=	2.91346140
\$1 each year for 9 years	=	11.02840084	\$1 each year for 27 years	=	49.27636799
\$1 in 10 years	=	1.48594738	\$1 in 28 years	=	3.03116524
\$1 each year for 10 years	=	12.51434822	\$1 each year for 28 years	=	52.30753323
\$1 in 11 years	=	1.54597966	\$1 in 29 years	=	3.15362432
\$1 each year for 11 years	=	14.06032788	\$1 each year for 29 years	=	55.46115755
\$1 in 12 years	=	1.60843724	\$1 in 30 years	=	3.28103074
\$1 each year for 12 years	=	15.66876512	\$1 each year for 30 years	=	58.74218829
\$1 in 13 years	=	1.67341810	\$1 in 31 years	=	3.41358438
\$1 each year for 13 years	=	17.34218322	\$1 each year for 31 years	=	62.15577267
\$1 in 14 years	=	1.74102419	\$1 in 32 years	=	3.55149318
\$1 each year for 14 years	=	19.08320741	\$1 each year for 32 years	=	65.70726585
\$1 in 15 years	=	1.81136157	\$1 in 33 years	=	3.69497350
\$1 each year for 15 years	=	20.89456898	\$1 each year for 33 years	=	69.40223935
\$1 in 16 years	=	1.88454057	\$1 in 34 years	=	3.84425042
\$1 each year for 16 years	=	22.77910955	\$1 each year for 34 years	=	73.24648977
\$1 in 17 years	=	1.96067601	\$1 in 35 years	=	3.99955813
\$1 each year for 17 years	=	24.73978556	\$1 each year for 35 years	=	77.24604790
\$1 in 18 years	=	2.03988732	\$1 in 36 years	=	4.16114027
\$1 each year for 18 years	=	26.77967288	\$1 each year for 36 years	=	81.40718817
\$1 in 19 years	=	2.12229877			
\$1 each year for 19 years	=	28.90197165			

One dollar put in each year, with interest at the rate of $3\frac{3}{4}$ per cent. per annum, compounded semiannually, amounts to the following in from 1 to 35 years, both inclusive: —

\$1 for 1 year	=	1.03785156	\$1 each year for 18 years	=	26.09727843
\$1 in 2 years	=	1.07713586	\$1 in 19 years	=	2.02567431
\$1 each year for 2 years	=	2.11498742	\$1 each year for 19 years	=	28.12295274
\$1 in 3 years	=	1.11790713	\$1 in 20 years	=	2.10234924
\$1 each year for 3 years	=	3.23289455	\$1 each year for 20 years	=	30.22530198
\$1 in 4 years	=	1.16022167	\$1 in 21 years	=	2.18192645
\$1 each year for 4 years	=	4.39311622	\$1 each year for 21 years	=	32.40722843
\$1 in 5 years	=	1.20413787	\$1 in 22 years	=	2.26451577
\$1 each year for 5 years	=	5.59725409	\$1 each year for 22 years	=	34.67174420
\$1 in 6 years	=	1.24971637	\$1 in 23 years	=	2.35023123
\$1 each year for 6 years	=	6.84697046	\$1 each year for 23 years	=	37.02197543
\$1 in 7 years	=	1.29702008	\$1 in 24 years	=	2.43919115
\$1 each year for 7 years	=	8.14399054	\$1 each year for 24 years	=	39.46116658
\$1 in 8 years	=	1.34611432	\$1 in 25 years	=	2.53151835
\$1 each year for 8 years	=	9.49010486	\$1 each year for 25 years	=	41.99268493
\$1 in 9 years	=	1.39706685	\$1 in 26 years	=	2.62734027
\$1 each year for 9 years	=	10.88717171	\$1 each year for 26 years	=	44.62002520
\$1 in 10 years	=	1.44994801	\$1 in 27 years	=	2.72678921
\$1 each year for 10 years	=	12.33711972	\$1 each year for 27 years	=	47.34681441
\$1 in 11 years	=	1.50483081	\$1 in 28 years	=	2.83000244
\$1 each year for 11 years	=	13.84195053	\$1 each year for 28 years	=	50.17681685
\$1 in 12 years	=	1.56179100	\$1 in 29 years	=	2.93712245
\$1 each year for 12 years	=	15.40374153	\$1 each year for 29 years	=	53.11393930
\$1 in 13 years	=	1.62090723	\$1 in 30 years	=	3.04829712
\$1 each year for 13 years	=	17.02464876	\$1 each year for 30 years	=	56.16223642
\$1 in 14 years	=	1.68226110	\$1 in 31 years	=	3.16367992
\$1 each year for 14 years	=	18.70690986	\$1 each year for 31 years	=	59.32591634
\$1 in 15 years	=	1.74593731	\$1 in 32 years	=	3.28343013
\$1 each year for 15 years	=	20.45284717	\$1 each year for 32 years	=	62.60934647
\$1 in 16 years	=	1.81202377	\$1 in 33 years	=	3.40771308
\$1 each year for 16 years	=	22.26487094	\$1 each year for 33 years	=	66.01705955
\$1 in 17 years	=	1.88061170	\$1 in 34 years	=	3.53670034
\$1 each year for 17 years	=	24.14548264	\$1 each year for 34 years	=	69.55375989
\$1 in 18 years	=	1.95179579	\$1 in 35 years	=	3.67056997
\$1 each year for 18 years	=	26.09727843	\$1 each year for 35 years	=	73.22432986

INDEX.

A.

	PAGE
Alewife Brook,	24
Assessments on Counties and Street Railways,	7

B.

Boston and Cambridge, Charles River Bridge,	32, 33
Boulevards. See "Metropolitan Parks Loan."	

C.

Charles River Basin Debt, analysis of,	35
Charles River Basin Loan:—	
Assessment, how made up,	32
Sinking Fund (Charles River Bridge),	33
Sinking Fund (District),	33
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements,	35
Proportion in Percentages to be paid annually,	34
Charles River Bridge, Boston and Cambridge,	32, 33
Comparison of 1917 and 1918 Parks and Sewerage Assessments,	31
Comparison of 1917 and 1918 Water Assessments,	11
Counties, Assessments on,	7

D.

Debts of the Metropolitan District for 1918,	36, 37
Debts of the Metropolitan District for 1918 (corrected statement),	38, 39

E.

Everett and Malden, Special Assessment,	25
---	----

G.

Gross Charles River Basin Loan Debt, April 1, 1918,	32
Gross Metropolitan Parks Debt, April 1, 1918,	12
Gross Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1918,	12
Gross Metropolitan Sewerage (North System) Debt, April 1, 1918,	25
Gross Metropolitan Sewerage (South System) Debt, April 1, 1918,	26
Gross Metropolitan Water Debt, April 1, 1918,	8

M.

Malden and Everett, Special Assessment,	25
Metropolitan Districts, Statement of the Debts of, for 1918,	36, 37
Metropolitan Districts, Statement of the Debts of, for 1917 (corrected statement),	38, 39

	PAGE
Metropolitan Districts, Total Assessments for,	5
Metropolitan Parks Loan: —	
Parks Sinking Fund Requirements,	17
Boulevards Sinking Fund Requirements,	17
Nantasket Sinking Fund Requirements,	17
Parks Interest Requirements,	18
Boulevards Interest Requirements,	18
Nantasket Interest Requirements,	18
Parks Maintenance Requirements,	19
Boulevards Maintenance Requirements,	19
Nantasket Maintenance Requirements,	19
Wellington Bridge Maintenance Requirements,	19
Parks Serial Bonds Requirements,	20
Boulevards Serial Bonds Requirements,	20
Assessment, how made up,	12, 13
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	14
Neponset Bridge, Special Assessment,	21
Newton-Weston Bridge, Special Assessment,	22
Proportion in Percentages to be paid annually,	15
Sinking Fund, Parks,	16
Sinking Fund, Boulevards, Series 2,	16
Sinking Fund, Nantasket,	16
Wellington Bridge, Special Assessment,	23
Metropolitan Parks and Sewerage Loans, Comparison of 1917 and 1918 Assessments,	31
Metropolitan Sewerage Loan, North System: —	
Amounts provided for and to be provided for,	28
Assessments, how made up,	25, 26
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	27
Everett and Malden, Special Assessment,	25
Proportion in Percentages to be paid annually,	28
Reading, Special Sinking Fund Assessment,	27
Revere, Special Assessment,	26
Sinking Fund,	27
Metropolitan Sewerage Loan, South System: —	
Amounts provided for and to be provided for,	30
Assessment, how made up,	26
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	29
Proportion in Percentages to be paid annually,	30
Sinking Fund,	29
Wellesley, Special Sinking Fund Assessment,	29
Metropolitan Water Loan: —	
Assessment, how made up,	8
Comparison of Total 1917 and 1918 Assessments,	11
Computations for determining Assessment,	9
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	10
Sinking Fund,	9

N.

Nantasket. See "Metropolitan Parks Loan."	PAGE
Neponset Bridge,	21
Newton-Weston Bridge,	22
Net Charles River Basin Loan Debt, April 1, 1918,	32
Net Metropolitan Parks Debt, April 1, 1918,	12
Net Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1918,	12
Net Metropolitan Sewerage (North System) Debt, April 1, 1918,	25
Net Metropolitan Sewerage (South System) Debt, April 1, 1918,	26
Net Metropolitan Water Debt, April 1, 1918,	8
Net Water Debt of Cities in Original Metropolitan Water District,	11

O.

Outlet for Sewage of Everett and Malden,	25
Outlet for Sewage of Revere,	26

P.

Parks. See "Metropolitan Parks Loan."

R.

Reading, Special Sinking Fund Assessment,	27
Revenue from Water received by Cities and Towns, 1917,	11
Revere, Special Assessment,	26

S.

Sewerage Loan. See "Metropolitan Sewerage Loan, North System;"
 "Metropolitan Sewerage Loan, South System."

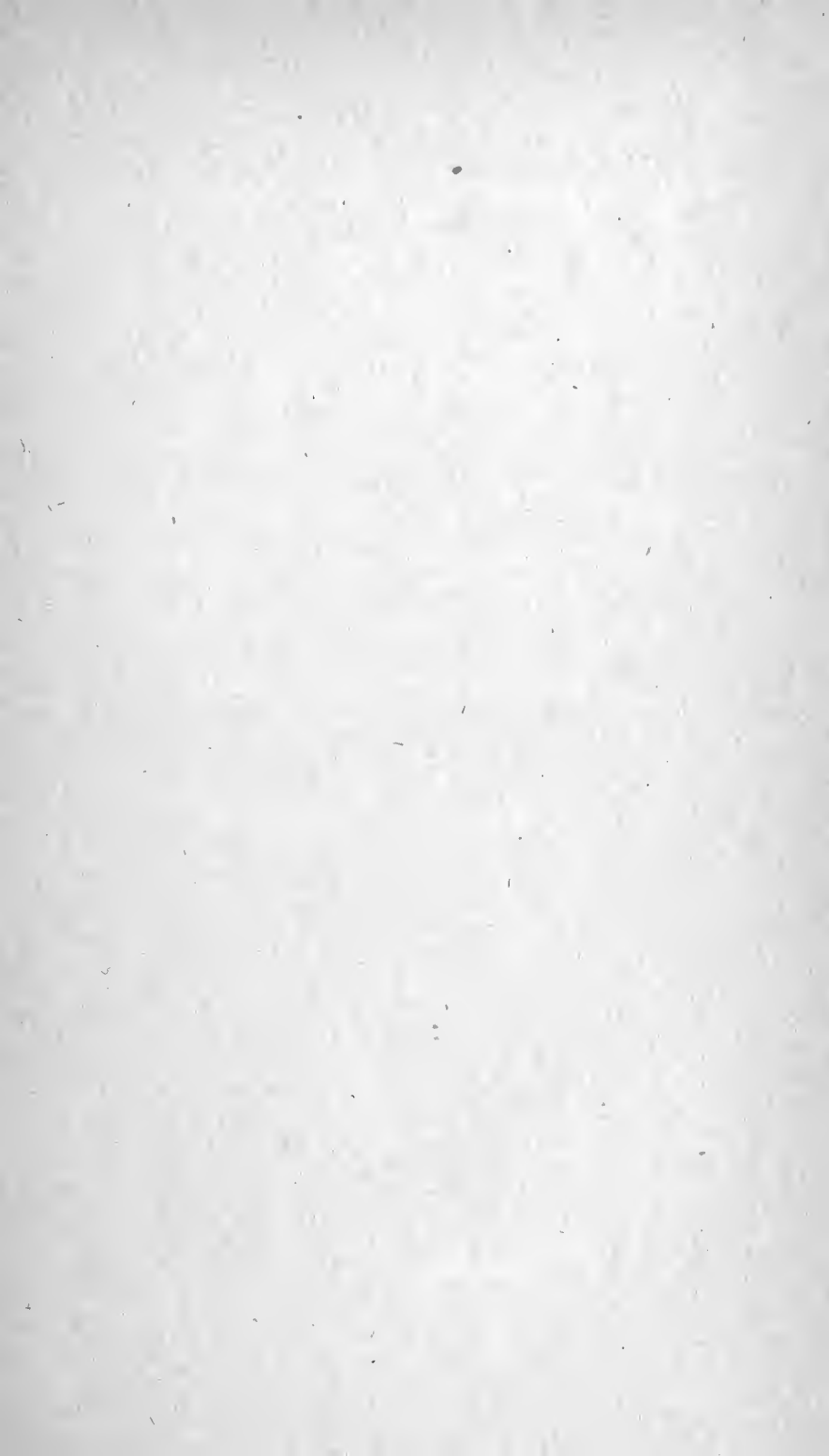
Sinking Fund Tables,	40, 41
Special Metropolitan District Assessments,	6
Street Railways, Assessments on,	7

T.

Total Assessments for Metropolitan Districts,	5
---	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District,	11
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1917,	11
Wellington Bridge:—	
Serial Bonds, Special Assessment,	23
Interest, Special Assessment,	23
Maintenance, Special Assessment,	23
Maintenance, District Assessment,	19
Wellesley, Special Sinking Fund Assessment,	29





The Commonwealth of Massachusetts

1919

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL



BOSTON
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET
1919

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 1, 1919.

Under the provisions of chapter 526 of the Acts of 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1919, to be paid by the cities and towns comprising the metropolitan district, are compiled and printed as a public document and herewith submitted.

There have been issued during the year 1919, on account of the metropolitan district, bonds to the amount of \$164,500, bearing interest at the rate of $4\frac{1}{4}$ per cent, and divided as follows: —

Metropolitan Parks Loan.

\$3,500. Chapter 265, General Acts of 1916, chapter 146, Resolves of 1916, chapter 182, General Acts of 1918, and chapter 3, General Acts of 1919, providing for the further protection of the public health in the valley of the Neponset River. Bonds to the amount of \$109,000 have been issued to date for this purpose. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.

Metropolitan Water Loan.

\$115,000. Chapter 177, General Acts of 1918, as amended by chapter 6, General Acts of 1919, an act to authorize the Metropolitan Water and Sewerage Board to provide an additional water supply for the towns of Watertown and Belmont.

\$30,000. Chapter 322, General Acts of 1917, as amended by chapter 5, General Acts of 1918, an act to provide for the construction of a water main in the East Boston district of the city of Boston by the Metropolitan Water and Sewerage Board.

\$4,000. Chapter 172, General Acts of 1916, and chapter 157, General Acts of 1918, as amended by chapter 2, General Acts of 1919, acts to provide for certain improvements in the metropolitan water system.

\$12,000. Chapter 287, General Acts of 1917, as amended by chapter 3, General Acts of 1918, an act to authorize the Metropolitan Water and Sewerage Board to construct a power transmission line between the Wachusett dam and the Sudbury dam.

The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan water district.

CHARLES L. BURRILL,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1919.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington, . .	\$24,320 83	\$13,287 20	\$18,507 75N	\$1,931 54	\$58,047 32
Belmont, . .	12,596 72	7,990 12	11,366 29N	1,146 39	33,099 52
Boston, . .	1,805,104 07	892,611 17	{ 98,845 50N 297,203 67s }	232,967 90	3,326,732 31
Braintree, . .	—	5,690 11	—	916 52	6,606 63
Brookline, . .	—	74,364 91	80,153 13s	16,822 64	171,340 68
Cambridge, . .	—	83,345 90	133,430 27N	39,621 48	256,397 65
Canton, . .	—	4,091 22	—	719 48	4,810 70
Chelsea, . .	58,145 27	22,191 90	41,560 71N	3,188 39	125,086 27
Cohasset, . .	—	376 46	—	—	376 46
Dedham, . .	—	9,108 75	13,495 03s	1,680 77	24,284 55
Dover, . .	—	3,379 20	—	794 12	4,173 32
Everett, . .	58,298 82	22,111 07	42,504 33N	3,480 96	126,395 18
Hingham, . .	—	5,189 58	—	1,015 03	6,204 61
Hull, . .	—	4,010 41	—	880 69	4,891 10
Lexington, . .	9,720 54	—	5,129 19N	—	14,849 73
Lynn, . .	—	59,465 56	—	9,672 65	69,138 21
Malden, . .	57,579 78	34,345 16	48,017 81N	4,931 86	144,874 61
Medford, . .	41,326 89	24,343 90	33,634 25N	3,197 35	102,502 39
Melrose, . .	22,670 68	12,182 89	18,714 38N	2,131 57	55,699 52
Milton, . .	12,925 78	17,589 25	17,262 17s	3,940 71	51,717 91
Nahant, . .	4,567 76	6,840 13	—	1,638 97	13,046 86
Needham, . .	—	5,139 68	—	931 44	6,071 12
Newton, . .	6,210 62	49,947 73	71,432 96s	9,705 49	137,296 80
Quincy, . .	78,083 57	29,455 74	50,273 57s	3,958 62	161,771 50
Reading, . .	—	—	12,046 99N	—	12,046 99
Revere, . .	34,950 55	14,322 69	25,972 28N	2,215 15	77,460 67
Saugus, . .	—	5,073 60	—	713 51	5,787 11
Somerville, . .	128,082 90	55,081 40	88,244 86N	7,917 24	279,326 40
Stoneham, . .	10,437 14	4,776 26	7,137 93N	594 09	22,945 42
Swampscott, . .	13,267 02	9,190 91	—	1,904 68	24,362 61
Wakefield, . .	—	7,780 55	13,573 05N	1,250 87	22,604 47
Waltham, . .	—	20,686 68	33,858 76s	3,537 68	58,083 12
Watertown, . .	40,517 66	12,306 87	25,876 30s	2,182 32	80,883 15
Wellesley, . .	—	10,006 31	17,877 13s	2,158 43	30,041 87
Weston, . .	—	6,176 42	—	1,235 95	7,412 37
Westwood, . .	—	2,340 65	—	507 51	2,848 16
Weymouth, . .	—	7,654 61	—	1,155 34	8,809 95
Winchester, . .	—	9,824 29	14,797 67N	1,916 61	26,538 57
Winthrop, . .	18,639 15	10,218 07	15,191 94N	1,865 86	45,915 02
Woburn, . .	—	9,113 73	16,830 49N	1,388 20	27,332 42
	\$2,437,445 75	\$1,571,611 08 ¹	\$1,252,938 41 ²	\$375,818 01 ³	\$5,637,813 25

N, North System.

S, South System.

¹ Includes \$36,649.60, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.

² Includes \$17,985.22, special assessments on Everett and Malden, Reading, Revere and Wellesley.

³ Includes \$51,640.08, special assessments on Boston and Cambridge, and \$25,639.45, embankment interest on Boston.

Special Metropolitan District Assessments for 1919.

CITIES AND TOWNS.	Alewife Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metropolitan Sewerage.	Charles River Basin, Bridge Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington,	\$2,338 60	-	-	-	-	-	-	-	\$2,338 60
Belmont,	1,656 51	-	-	-	-	-	-	-	1,656 51
Boston,	-	\$6,400 00	-	-	-	-	\$25,820 04	\$25,639 45	57,859 49
Cambridge,	4,579 76	-	-	-	-	-	25,820 01	-	30,399 80
Everett,	-	-	-	-	-	\$1,781 66 ¹	-	-	1,781 66
Malden,	-	-	-	\$1,883 70	\$2,128 08	1,781 67 ¹	-	-	5,793 45
Medford,	-	-	-	2,318 40	2,619 17	-	-	-	4,937 57
Newton,	-	-	\$1,850 00	-	-	-	-	-	1,850 00
Quincy,	-	4,800 00	-	-	-	-	-	-	4,800 00
Reading,	-	-	-	-	-	7,000 00 ²	-	-	7,000 00
Revere,	-	-	-	-	-	646 66 ³	-	-	646 66
Somerville,	1,169 30	-	-	1,593 90	1,800 68	-	-	-	4,563 88
Stoneham,	-	-	-	362 25	409 25	-	-	-	771 50
Wellesley,	-	-	-	-	-	6,775 23 ⁴	-	-	6,775 23
Weston,	\$9,744 17 ⁵	\$11,200 00 ⁶	740 00	\$6,158 25 ⁷	\$6,957 18 ⁹	\$17,985 22	\$51,640 08	\$25,639 45	\$131,914 35

¹ Fifth assessment under chapter 512, Acts of 1911 (total assessments, 29).² Third assessment under chapter 159, General Acts of 1916 (total assessments, 5).³ Fifth assessment under chapter 259, Acts of 1914 (total assessments, 11).⁴ Fourth assessment under chapter 343, Acts of 1914 (total assessments, 5).⁵ Ninth assessment under chapter 529, Acts of 1907 (total assessments, 20), and

sixth assessment under chapter 453, Acts of 1911 (total assessments, 20).

⁶ Fourth assessment under chapter 300, General Acts of 1915 (total assessments, 18).⁷ Fourth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).⁸ Fifth assessment under chapter 276, General Acts of 1915 (total assessments, 10).⁹ Fourth assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1919.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Totals.
Middlesex County,	-	\$1,110 00	-	\$1,110 00
Norfolk County,	\$1,600 00	-	-	1,600 00
Plymouth County,	800 00	-	-	800 00
Bay State Street Railway Company, .	4,800 00	-	-	4,800 00
Boston Elevated Railway Company, .	-	-	\$2,173 50	2,173 50
	\$7,200 00 ¹	\$1,110 00 ²	\$2,173 50 ³	\$10,483 50

¹ Fourth assessment under chapter 300, General Acts of 1915 (total assessments, 18).² Fourth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).³ Fifth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.
METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1919.

Gross water debt, April 1, 1919: —

Bonds outstanding (sinking fund),	\$41,398,000 00	
Bonds outstanding (serial),	1,337,000 00	
	<hr/>	\$42,735,000 00

an increase for the year of \$124,000.

Sinking fund, April 1, 1919,	15,059,730 60	
	<hr/>	

an increase for the year of \$827,966.21.

Net water debt, April 1, 1919,	\$27,675,269 40	
--	-----------------	--

a decrease for the year of \$703,966.21.

Total Water Assessment for 1919.

Sinking fund requirements,		\$261,966 36
Serial bonds,	\$43,000 00	
Less premium,	32 20	
	<hr/>	42,967 80

Interest: —

One year on \$41,398,000, . . . \$1,393,435 00

Six months on \$1,213,000, . . . 23,447 50

Six months on \$1,337,000, . . . 26,153 75

Interest on advances and temporary loans, estimated, 1919, . . . 40,000 00

Adjustment of interest charges in 1918, 8,771 46

\$1,491,807 71

Accrued interest, 1,064 38

\$1,490,743 33

Maintenance as appropriated by Legislature, . . . \$647,200 00

Less balance on hand, 5,431 74

641,768 26

Total water assessment for 1919, \$2,437,445 75

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1918.	Amount of Dec. 1, 1918, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1919.
\$13,000,000	July, 1935	\$6,077,062 84	\$11,681,520 89	\$1,318,479 11	\$60,219 45
4,000,000	Jan., 1938	1,605,078 55	3,406 456 23	593,543 77	21,366 11
4,000,000	July, 1939	1,422,554 47	3,203,877 79	796,122 21	26,624 40
10,000,000	Jan., 1941	3,119,138 32	7,454,906 24	2,545,093 76	73,969 68
3,500,000	Jan., 1942	1,032,147 34	2,566,549 19	933,450 81	25,367 36
2,000,000	Jan., 1943	533,528 02	1,380,274 52	619,725 48	15,775 55
2,000,000	Jan., 1944	491,548 29	1,323,045 47	676,954 53	16,167 62
650,000	Jan., 1945	177,934 04	498,273 70	151,726 30	3,404 79
1,350,000	Jan., 1946	287,813 10	838,532 35	511,467 65	10,798 90
398,000	Jan., 1949	60,644 65	198,976 96	199,023 04	3,524 95
500,000	Jan., 1950	63,385 22	216,370 79	283,629 21	4,747 55
\$41,398,000	—	\$14,870,834 84	\$32,768,784 13	\$8,629,215 87	\$261,966 36

Computations for determining the Assessment for 1919. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1918.	Average Daily Con- sumption (Gallons), 1918.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington,	\$19,747,548	\$1,290,300	.010048	.009943	.009978
Belmont,	12,972,613	577,700	.006601	.004452	.005168
Boston,	1,499,843,198	94,634,000	.763160	.729278	.740572
Chelsea,	34,592,200	3,501,200	.017602	.026981	.023855
Everett,	39,065,850	3,365,800	.019878	.025938	.023918
Lexington,	8,527,367	494,600	.004339	.003812	.003988
Malden,	40,692,520	3,254,700	.020705	.025082	.023623
Medford,	34,500,350	2,161,200	.017553	.016655	.016955
Melrose,	19,078,375	1,180,600	.009708	.009098	.009301
Milton,	18,106,600	434,500	.009213	.003348	.005303
Nahant,	4,135,581	228,200	.002104	.001759	.001874
Newton, ¹	15,024,188	—	.007645	—	.002548
Quincy,	48,568,455	4,632,100	.024713	.035696	.032035
Revere,	24,702,900	1,975,500	.012569	.015224	.014339
Somerville,	84,663,980	7,433,200	.043079	.057282	.052548
Stoneham,	6,534,890	617,700	.003325	.004760	.004282
Swampscott,	13,731,787	606,100	.006987	.004671	.005443
Watertown,	24,260,610	2,434,700	.012344	.018763	.016623
Winthrop,	16,558,450	941,900	.008425	.007258	.007647
	\$1,965,307,462	129,764,000	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1919.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds	Total Assessment.
Arlington, . . .	\$14,874 64	\$2,613 90	\$6,403 56	\$428 73	\$24,320 83
Belmont, . . .	7,704 16	1,353 84	3,316 66	222 06	12,596 72
Boston, . . .	1,104,002 77	194,004 95	475,275 60	31,820 75	1,805,104 07
Chelsea, . . .	35,561 68	6,249 21	15,309 38	1,025 00	58,145 27
Everett, . . .	35,655 60	6,265 71	15,349 81	1,027 70	58,298 82
Lexington, . . .	5,945 09	1,044 72	2,559 37	171 36	9,720 54
Malden, . . .	35,215 83	6,188 43	15,160 49	1,015 03	57,579 78
Medford, . . .	25,275 55	4,441 64	10,881 18	728 52	41,326 89
Melrose, . . .	13,865 40	2,436 55	5,969 09	399 64	22,670 68
Milton, . . .	7,905 41	1,389 21	3,403 30	227 86	12,925 78
Nahant, . . .	2,793 65	490 92	1,202 67	80 52	4,567 76
Newton, . . .	3,798 42	667 49	1,635 23	109 48	6,210 62
Quincy, . . .	47,755 96	8,392 09	20,559 05	1,376 47	78,083 57
Revere, . . .	21,375 77	3,756 34	9,202 32	616 12	34,950 55
Somerville, . . .	78,335 58	13,765 81	33,723 64	2,257 87	128,082 90
Stoneham, . . .	6,383 36	1,121 74	2,748 05	183 99	10,437 14
Swampscott, . . .	8,114 12	1,425 88	3,493 15	233 87	13,267 02
Watertown, . . .	24,780 63	4,354 67	10,668 11	714 25	40,517 66
Winthrop, . . .	11,399 71	2,003 26	4,907 60	328 58	18,639 15
	\$1,490,743 33	\$261,966 36	\$641,768 26	\$42,967 80	\$2,437,445 75

Comparison of Total Assessments, 1918 and 1919, with Revenue from Water Rates in 1918.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1918.
	1918.	1919.	
Arlington,	\$21,735 89	\$24,320 83	\$75,059 78 ¹
Belmont,	11,402 54	12,596 72	33,809 14 ²
Boston,	1,741,008 84	1,805,104 07	3,048,039 68 ²
Chelsea,	58,047 20	58,145 27	139,164 82
Everett,	57,838 91	58,298 82	125,412 74 ²
Lexington,	9,398 37	9,720 54	26,272 13 ³
Malden,	49,949 48	57,579 78	118,794 31 ²
Medford,	36,487 21	41,326 89	93,113 81 ⁴
Melrose,	20,222 33	22,670 68	48,820 97 ¹
Milton,	12,430 09	12,925 78	47,775 59
Nahant,	3,848 67	4,567 76	9,520 24 ²
Newton,	5,832 03	6,210 62	— ⁵
Quincy,	57,975 46	78,083 57	217,567 93
Revere,	32,414 05	34,950 55	83,557 68 ¹
Somerville,	125,358 55	128,082 90	269,276 97 ²
Stoneham,	10,009 34	10,437 14	27,028 41 ⁶
Swampscott,	12,351 41	13,267 02	43,319 33
Watertown,	31,143 50	40,517 66	141,899 83 ⁴
Winthrop,	16,843 44	18,639 15	57,027 01 ³
	\$2,314,297 31	\$2,437,445 75	\$4,605,460 37

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering and other municipal purposes.

³ No money received for street watering.

⁴ No money received for hydrant rentals.

⁵ Not taking water from the district.

⁶ No money received for street watering and other municipal purposes.

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1918.	Jan. 1, 1919.	Decrease.
Boston,	\$368,000 00	\$352,000 00	\$16,000 00
Somerville,	11,000 00	6,000 00	5,000 00
Chelsea,	75,993 00	47,051 00	28,942 00
Everett,	30,873 33	23,686 33	7,187 00
Malden,	19,910 34	14,935 08	4,975 26
Medford, ¹	—6,464 65	—6,064 35	—400 30 ²
Melrose,	89,557 35	89,811 07	253 72 ²
	\$588,869 37	\$527,419 13	\$61,450 24

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1919:—

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	229,750 00	
	<hr/>	\$9,714,750 00

a decrease for the year of \$19,750.

Sinking fund, April 1, 1919,	3,689,213 07	
	<hr/>	

an increase for the year of \$202,741.10.

Net parks debt, April 1, 1919,	\$6,025,536 93	
--	----------------	--

a decrease for the year of \$222,491.10.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1919:—

Bonds outstanding (sinking fund) (one-half),	\$2,567,500 00	
Bonds outstanding (serial) (one-half),	498,500 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts of 1915),	54,337 50	
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts of 1915),	228,375 00	
	<hr/>	\$3,348,712 50

a decrease for the year of \$45,806.25.

Sinking fund, April 1, 1919,	942,168 78	
	<hr/>	

an increase for the year of \$47,124.48.

Net parks, series two (boulevards), debt, April 1, 1919,	\$2,406,543 72	
--	----------------	--

a decrease for the year of \$92,930.73.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1919 is made up as follows:—

Parks sinking fund,	\$70,318 00	
Parks, series two, sinking fund,	14,348 00	
Nantasket sinking fund,	4,771 89	
Parks, serial bonds,	\$21,750 00	
Less premium,	80 70	
Unexpended balance, Alewife Brook, chapter 458, Acts of 1911,	3,601 10	
	<hr/>	3,601 80
		<hr/>
		18,148 20
Parks, series two, serial bonds,	27,693 75	
	<hr/>	
Amount carried forward,	\$135,279 84	

Amount brought forward, \$135,279 84

Parks interest:—

One year on \$8,785,000, . . . \$301,225 00

Six months on \$230,500, . . . 4,493 75

Six months on \$213,750, . . . 4,170 01

Interest on advances and tempo-
rary loans, estimated, 1919, . . . 20,000 00

Adjustment of interest charges
in 1918, 6,276 27

\$336,165 03

Accrued interest, 23 14

336,141 89

Parks series two, interest:—

One year on \$2,567,500, . . . \$87,737 50

Six months on \$602,481.25, . . . 12,069 62

Six months on \$574,787.50, . . . 11,513 25

Interest on advances and temporary loans, esti-
mated, 1919, 1,000 00

Adjustment of interest charges in 1918, . . . 16,366 16

128,686 53

Nantasket interest:—

One year on \$700,000, 21,000 00

Parks maintenance as appropriated by Legislature, \$743,041 25

Less balance on hand, 53,872 72

689,168 53

Boulevards maintenance (one-half), . . . \$184,034 83

Less balance on hand (one-half), . . . 23,006 68

161,028 15

Nantasket maintenance, \$63,770 00

Less balance on hand, 3,592 05

60,177 95

Wellington Bridge maintenance (one-quarter), . . \$3,645 74

Less balance on hand (one-quarter), . . . 167 15

3,478 59

Total parks assessment for 1919, \$1,534,961 48

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington,	\$578 52	\$3,142 68	\$6,930 80	\$296 60	\$10,948 60
Belmont,	343 35	1,865 16	3,949 07	176 03	6,333 61
Boston,	54,364 65	295,322 96	508,652 11	27,871 45	886,211 17
Braintree,	274 53	1,491 29	3,783 55	140 74	5,690 11
Brookline,	5,038 63	27,371 19	39,371 90	2,583 19	74,364 91
Cambridge,	4,133 76	22,455 65	50,057 46	2,119 27	78,766 14
Canton,	215 50	1,170 63	2,594 61	110 48	4,091 22
Chelsea,	954 97	5,187 60	15,559 74	489 59	22,191 90
Cohasset,	20 90	91 98	263 58	-	376 46
Dedham,	503 44	2,734 80	5,612 42	258 09	9,108 75
Dover,	237 87	1,292 10	1,727 29	121 94	3,379 20
Everett,	1,042 61	5,663 70	14,870 24	534 52	22,111 07
Hingham,	303 99	1,651 39	3,078 34	155 86	5,189 58
Hull,	263 80	1,432 99	2,178 38	135 24	4,010 41
Lynn,	2,897 12	15,737 90	39,345 26	1,485 28	59,465 56
Malden,	1,477 13	8,024 20	20,074 74	757 31	30,333 38
Medford,	957 70	5,202 38	12,755 28	490 97	19,406 33
Melrose,	638 39	3,467 97	7,749 22	327 31	12,182 89
Milton,	1,180 29	6,411 67	9,392 17	605 12	17,589 25
Nahant,	490 92	2,666 78	3,430 76	251 67	6,840 13
Needham,	279 00	1,515 57	3,202 09	143 02	5,139 68
Newton,	2,906 96	15,791 34	27,909 11	1,490 32	48,097 73
Quincy,	1,185 66	6,440 82	16,421 39	607 87	24,655 74
Revere,	663 48	3,604 21	9,714 85	340 15	14,322 69
Saugus,	213 71	1,160 92	3,589 41	109 56	5,073 60
Somerville,	2,371 32	12,881 65	34,048 82	1,215 73	50,517 52
Stoneham,	177 93	966 59	2,769 02	91 22	4,004 76
Swampscott,	570 47	3,098 96	5,229 00	292 48	9,190 91
Wakefield,	374 65	2,035 20	5,178 62	192 08	7,780 55
Waltham,	1,059 60	5,756 02	13,327 83	543 23	20,686 68
Watertown,	653 64	3,550 78	7,767 35	335 10	12,306 87
Wellesley,	646 50	3,511 91	5,516 46	331 44	10,006 31
Weston,	370 18	2,010 91	2,865 55	189 78	5,436 42
Westwood,	152 04	825 91	1,284 77	77 93	2,340 65
Weymouth,	346 03	1,879 74	5,251 44	177 40	7,654 61
Winchester,	574 04	3,118 39	5,837 56	294 30	9,824 29
Winthrop,	558 84	3,035 80	6,336 91	286 52	10,218 07
Woburn,	415 77	2,258 68	6,226 12	213 16	9,113 73
	\$89,437 89	\$485,828 42	\$913,853 22	\$45,841 95	\$1,534,961 48

METROPOLITAN PARKS.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	Parks (excepting Maintenance) and Boulevards.	Parks Maintenance.	Nantasket.
Arlington, . . . . .	.00647	.00795	.00644
Belmont, . . . . .	.00384	.00448	.00382
Boston, . . . . .	.60799	.54008	.60533
Braintree, . . . . .	.00307	.00449	.00306
Brookline, . . . . .	.05635	.03878	.05610
Cambridge, . . . . .	.04623	.05758	.04603
Canton, . . . . .	.00241	.00298	.00240
Chelsea, . . . . .	.01068	.01910	.01063
Cohasset,	—	—	.00438
Dedham, . . . . .	.00563	.00631	.00561
Dover, . . . . .	.00266	.00164	.00265
Everett, . . . . .	.01166	.01778	.01161
Hingham, . . . . .	.00340	.00336	.00338
Hull, . . . . .	.00295	.00220	.00294
Lynn, . . . . .	.03240	.04654	.03226
Malden, . . . . .	.01652	.02375	.01644
Medford, . . . . .	.01071	.01502	.01067
Melrose, . . . . .	.00714	.00892	.00710
Milton, . . . . .	.01320	.00933	.01314
Nahant, . . . . .	.00549	.00319	.00547
Needham, . . . . .	.00312	.00363	.00311
Newton, . . . . .	.03251	.02991	.03237
Quincy, . . . . .	.01326	.01951	.01320
Revere, . . . . .	.00742	.01168	.00739
Saugus, . . . . .	.00239	.00443	.00238
Somerville, . . . . .	.02652	.04077	.02640
Stoneham, . . . . .	.00199	.00337	.00198
Swampscott, . . . . .	.00638	.00551	.00635
Wakefield, . . . . .	.00419	.00615	.00417
Waltham, . . . . .	.01185	.01548	.01180
Watertown, . . . . .	.00731	.00889	.00728
Wellesley, . . . . .	.00723	.00565	.00720
Weston, . . . . .	.00414	.00281	.00412
Westwood, . . . . .	.00170	.00131	.00170
Weymouth, . . . . .	.00387	.00636	.00385
Winchester, . . . . .	.00642	.00638	.00639
Winthrop, . . . . .	.00625	.00716	.00622
Woburn, . . . . .	.00465	.00752	.00463
	1.00000	1.00000	1.00000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1918.	Amount of Dec. 1, 1918, Sinking Fund at Maturity of Loan, Accumulations reckoned at $3\frac{3}{4}$ Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1919.
\$125,000	Jan., 1928	\$56,734 86	\$79,262 39	\$45,737 61	\$4,360 07
1,399,000	Jan., 1934	616,796 87	1,076,888 66	223,111 34	11,321 47
2,000,000	Jan., 1936	868,267 14	1,632,873 34	367,126 66	15,780 30
1,400,000	Jan., 1937	581,851 14	1,135,654 60	264,345 40	10,512 63
1,000,000	July, 1938	394,133 26	813,355 34	186,644 66	6,887 94
505,000	July, 1939	189,470 69	405,802 31	99,197 69	3,406 16
650,000	Jan., 1941	263,046 80	595,673 62	54,326 38	1,626 18
125,000	Jan., 1943	34,544 73	84,261 19	40,738 81	1,071 45
340,000	July, 1943	97,282 38	241,739 51	98,260 49	2,584 39
300,000	Jan., 1944	74,359 33	188,242 00	111,758 00	2,762 10
370,000	Jan., 1945	81,406 79	213,883 33	156,116 67	3,631 23
300,000	Jan., 1946	64,577 75	176,089 91	123,910 09	2,716 13
300,000	Jan., 1947	55,308 31	156,522 65	143,477 35	2,967 66
70,000	Jan., 1949	10,707 72	32,640 31	37,359 69	690 38
\$8,785,000	-	\$3,388,487 77	\$6,832,889 16	\$1,952,110 84	\$70,318 00

Nantasket.

\$600,000	July, 1939	\$226,639 53	\$485,409 35	\$114,590 65	\$3,934 71
100,000	Jan., 1941	31,809 06	72,032 11	27,967 89	837 18
\$700,000	-	\$258,448 59	\$557,441 46	\$142,558 54	\$4,771 89

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1918.	Amount of Dec. 1, 1918, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1919.
\$250,000	Jan., 1931	\$125,652 34	\$227,601 81	\$22,398 19	\$1,115 00
300,000	Jan., 1933	138,251 42	271,072 12	28,927 88	1,216 00
500,000	Jan., 1937	220,783 47	450,373 40	49,626 60	1,928 00
50,000	July, 1938	20,972 54	45,400 19	4,599 81	165 00
250,000	July, 1939	100,570 68	226,505 32	23,494 68	785 00
225,000	Jan., 1940	74,259 90	170,593 14	51,406 86	1,694 00
162,500	July, 1940	59,689 71	139,864 29	22,635 71	704 00
55,000	Jan., 1943	15,920 02	41,186 21	13,813 79	351 00
150,000	July, 1943	39,927 96	105,362 37	44,637 63	1,136 00
150,000	Jan., 1944	38,622 40	103,955 58	46,011 42	1,099 00
150,000	Jan., 1945	33,921 88	94,992 39	55,007 61	1,231 00
150,000	Jan., 1946	28,657 50	83,492 52	66,507 48	1,101 00
150,000	Jan., 1947	28,209 12	85,506 50	64,493 50	1,282 00
25,000	Jan., 1949	3,573 50	11,724 76	13,275 24	235 00
\$2,567,500	-	\$929,015 41	\$2,057,630 60	\$509,869 40	\$14,348 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$454 96	\$92 83	\$30 73	\$578 52
Belmont, . . .	270 02	55 10	18 23	343 35
Boston, . . .	42,752 64	8,723 44	2,888 57	54,364 65
Braintree, . . .	215 88	44 05	14 60	274 53
Brookline, . . .	3,962 42	808 51	267 70	5,038 63
Cambridge, . . .	3,250 80	663 31	219 65	4,133 76
Canton, . . .	169 47	34 58	11 45	215 50
Chelsea, . . .	751 00	153 24	50 73	954 97
Cohasset, . . .	—	—	20 90	20 90
Dedham, . . .	395 89	80 78	26 77	503 44
Dover, . . .	187 05	38 17	12 65	237 87
Everett, . . .	819 91	167 30	55 40	1,042 61
Hingham, . . .	239 08	48 78	16 13	303 99
Hull, . . .	207 44	42 33	14 03	263 80
Lynn, . . .	2,278 30	464 88	153 94	2,897 12
Malden, . . .	1,161 65	237 03	78 45	1,477 13
Medford, . . .	753 11	153 67	50 92	957 70
Melrose, . . .	502 07	102 44	33 88	638 39
Milton, . . .	928 20	189 39	62 70	1,180 29
Nahant, . . .	386 05	78 77	26 10	490 92
Needham, . . .	219 39	44 77	14 84	279 00
Newton, . . .	2,286 04	466 45	154 47	2,906 96
Quincy, . . .	932 42	190 25	62 99	1,185 66
Revere, . . .	521 76	106 46	35 26	663 48
Saugus, . . .	168 06	34 29	11 36	213 71
Somerville, . . .	1,864 83	380 51	125 98	2,371 32
Stoneham, . . .	139 93	28 55	9 45	177 93
Swampscott, . . .	448 63	91 54	30 30	570 47
Wakefield, . . .	294 63	60 12	19 90	374 65
Waltham, . . .	833 27	170 02	56 31	1,059 60
Watertown, . . .	514 02	104 88	34 74	653 64
Wellesley, . . .	508 40	103 74	34 36	646 50
Weston, . . .	291 12	59 40	19 66	370 18
Westwood, . . .	119 54	24 39	8 11	152 04
Weymouth, . . .	272 13	55 53	18 7	346 03
Winchester, . . .	451 44	92 11	30 49	574 04
Winthrop, . . .	439 48	89 68	29 68	558 84
Woburn, . . .	326 97	66 71	22 09	415 77
	\$70,318 00	\$14,348 00	\$4,771 89	\$89,437 89

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington,	\$2,174 84	\$832 60	\$135 24	\$3,142 68
Belmont,	1,290 78	494 16	80 22	1,865 16
Boston,	204,370 91	78,240 12	12,711 93	295,322 96
Braintree,	1,031 96	395 07	64 26	1,491 29
Brookline,	18,941 60	7,251 49	1,178 10	27,371 19
Cambridge,	15,539 84	5,949 18	966 63	22,455 65
Canton,	810 10	310 13	50 40	1,170 63
Chelsea,	3,590 00	1,374 37	223 23	5,187 60
Cohasset,	—	—	91 98	91 98
Dedham,	1,892 48	724 51	117 81	2,734 80
Dover,	894 14	342 31	55 65	1,292 10
Everett,	3,919 41	1,500 48	243 81	5,663 70
Hingham,	1,142 88	437 53	70 98	1,651 39
Hull,	991 62	379 63	61 74	1,432 99
Lynn,	10,891 00	4,169 44	677 46	15,737 90
Malden,	5,553 06	2,125 90	345 24	8,024 20
Medford,	3,600 08	1,378 23	224 07	5,202 38
Melrose,	2,400 05	918 82	149 10	3,467 97
Milton,	4,437 07	1,698 66	275 94	6,411 67
Nahant,	1,845 42	706 49	114 87	2,666 78
Needham,	1,048 76	401 50	65 31	1,515 57
Newton,	10,927 97	4,183 60	679 77	15,791 34
Quincy,	4,457 24	1,706 38	277 20	6,440 82
Revere,	2,494 17	954 85	155 19	3,604 21
Saugus,	803 38	307 56	49 98	1,160 92
Somerville,	8,914 48	3,412 77	554 40	12,881 65
Stonham,	668 92	256 09	41 58	966 59
Swampscott,	2,144 59	821 02	133 35	3,098 96
Wakefield,	1,408 43	539 20	87 57	2,035 20
Waltham,	3,983 28	1,524 94	247 80	5,756 02
Watertown,	2,457 20	910 70	152 88	3,550 78
Wellesley,	2,430 31	930 40	151 20	3,511 91
Weston,	1,391 63	532 76	86 52	2,010 91
Westwood,	571 41	218 77	35 70	825 91
Weymouth,	1,300 87	498 02	80 85	1,879 74
Winchester,	2,158 03	826 17	134 19	3,118 39
Winthrop,	2,100 89	801 29	130 62	3,035 80
Woburn,	1,563 06	598 39	97 23	2,258 68
	\$336,141 89	\$428,686 53	\$21,000 00	\$485,828 42

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington,	\$5,478 89	\$22 51	\$387 55	\$1,041 85	\$6,930 80
Belmont,	3,087 48	13 36	229 88	618 35	3,949 07
Boston,	372,206 14	2,114 95	36,427 52	97,903 50	508,652 11
Braintree,	3,094 37	10 68	184 14	494 36	3,783 55
Brookline,	26,725 96	196 02	3,375 98	9,073 94	39,371 90
Cambridge,	39,682 32	160 82	2,769 99	7,444 33	50,057 46
Canton,	2,053 72	8 38	144 43	388 08	2,594 61
Chelsea,	13,163 12	37 15	639 69	1,719 78	15,559 74
Cohasset,	—	—	263 58	—	263 58
Dedham,	4,348 65	19 58	337 60	906 59	5,612 42
Dover,	1,130 24	9 25	159 47	428 33	1,727 29
Everett,	12,253 42	40 56	698 67	1,877 59	14,870 24
Hingham,	2,315 61	11 83	203 40	547 50	3,078 34
Hull,	1,516 17	10 26	176 92	475 03	2,178 38
Lynn,	32,073 90	112 71	1,941 34	5,217 31	39,345 26
Malden,	16,367 75	57 47	989 33	2,660 19	20,074 74
Medford,	10,351 31	37 26	642 10	1,724 61	12,755 28
Melrose,	6,147 38	24 84	427 26	1,149 74	7,749 22
Milton,	6,429 94	45 92	790 74	2,125 57	9,392 17
Nahant,	2,198 45	19 10	329 17	884 04	3,430 76
Needham,	2,501 68	10 85	187 15	502 41	3,202 09
Newton,	20,613 03	113 09	1,947 96	5,235 03	27,909 11
Quincy,	13,445 68	46 13	794 35	2,135 23	16,421 39
Revere,	8,049 49	25 81	444 72	1,194 83	9,714 85
Saugus,	3,053 02	8 31	143 22	384 86	3,589 41
Somerville,	28,097 40	92 25	1,588 70	4,270 47	34,048 82
Stoneham,	2,322 50	6 92	119 15	320 45	2,769 02
Swampscott,	3,797 32	22 19	382 13	1,027 36	5,229 00
Wakefield,	4,238 39	14 58	250 94	674 71	5,178 62
Waltham,	10,668 33	41 22	710 10	1,908 18	13,327 83
Watertown,	6,126 71	25 43	438 10	1,177 11	7,767 35
Wellesley,	3,893 80	25 15	433 28	1,164 23	5,516 46
Weston,	1,936 56	14 40	247 93	666 66	2,865 55
Westwood,	902 81	5 91	102 30	273 75	1,284 77
Weymouth,	4,383 11	13 46	231 69	623 18	5,251 44
Winchester,	4,396 89	22 33	384 54	1,033 80	5,837 56
Winthrop,	4,934 44	21 74	374 31	1,006 42	6,336 91
Woburn,	5,182 55	16 17	278 62	748 78	6,226 12
	\$689,168 53	\$3,478 59	\$60,177 95	\$161,028 15	\$913,853 22

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$117 42	\$179 18	\$296 60
Belmont,	69 69	106 34	176 03
Boston,	11,033 93	16,837 52	27,871 45
Braintree,	55 72	85 02	140 74
Brookline,	1,022 65	1,560 54	2,583 19
Cambridge,	838 99	1,280 28	2,119 27
Canton,	43 74	66 74	110 48
Chelsea,	193 82	295 77	489 59
Dedham,	102 17	155 92	258 09
Dover,	48 27	73 67	121 94
Everett,	211 61	322 91	534 52
Hingham,	61 70	94 16	155 86
Hull,	53 54	81 70	135 24
Lynn,	588 00	897 28	1,485 28
Malden,	299 81	457 50	757 31
Medford,	194 37	296 60	490 97
Melrose,	129 58	197 73	327 31
Milton,	239 56	365 56	605 12
Nahant,	99 63	152 04	251 67
Needham,	56 62	86 40	143 02
Newton,	590 00	900 32	1,490 32
Quincy,	240 65	367 22	607 87
Revere,	134 66	205 49	340 15
Saugus,	43 37	66 19	109 56
Somerville,	481 29	734 44	1,215 73
Stoneham,	36 11	55 11	91 22
Swampscott,	115 79	176 69	292 48
Wakefield,	76 04	116 04	192 08
Waltham,	215 06	328 17	543 23
Watertown,	132 66	202 41	335 10
Wellesley,	131 21	200 23	331 44
Weston,	75 13	114 65	189 78
Westwood,	30 85	47 08	77 93
Weymouth,	70 23	107 17	177 40
Winchester,	116 51	177 79	294 30
Winthrop,	113 43	173 09	286 52
Woburn,	84 39	128 77	213 16
	\$18,148 20	\$27,693 75	\$45,841 95

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent.,	\$201,250 00	
Previously assessed,	34,500 00	
Outstanding,	\$166,750 00	
Serial bonds due Jan. 1, 1920,		\$11,500 00
Interest: —		
One year on \$166,750,	\$6,670 00	
Six months on \$11,500,	230 00	
		6,900 00
		\$18,400 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston,	20	\$4,000 00	\$2,400 00	\$6,400 00
City of Quincy,	15	3,000 00	1,800 00	4,800 00
County of Norfolk,	5	1,000 00	600 00	1,600 00
County of Plymouth,	2½	500 00	300 00	800 00
Bay State Street Railway Company, .	15	3,000 00	1,800 00	4,800 00
	57½	\$11,500 00	\$6,900 00	\$18,400 00

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 365, Special Acts of 1915.]

Bonds issued, 50 per cent.,	\$25,000 00	
Previously assessed,	9,000 00	
Outstanding,	\$16,000 00	
Serial bonds due Jan. 1, 1920,		\$3,000 00
Interest: —		
One year on \$16,000,	\$640 00	
Six months on \$3,000,	60 00	
		700 00
		\$3,700 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton,	25	\$1,500 00	\$350 00	\$1,850 00
Town of Weston,	10	600 00	140 00	740 00
County of Middlesex,	15	900 00	210 00	1,110 00
	50	\$3,000 00	\$700 00	\$3,700 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent.,	\$66,125 00	
Previously assessed,	26,450 00	
Outstanding,	\$39,675 00	
Serial bonds due Jan. 1, 1920,		\$6,612 50
Interest: —		
One year on \$39,675,	\$1,587 00	
Six months on \$6,612.50,	132 25	
		1,719 25
		\$8,331 75

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden,	13	\$1,495 00	\$388 70	\$1,883 70
Medford,	16	1,840 00	478 40	2,318 40
Somerville,	11	1,265 00	328 90	1,593 90
Stoneham,	2½	287 50	74 75	362 25
Boston Elevated Railway Company, .	15	1,725 00	448 50	2,173 50
	57½	\$6,612 50	\$1,719 25	\$8,331 75

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden,	15.2941	\$2,128 08
Medford,	18.8235	2,619 17
Somerville,	12.9412	1,800 68
Stoneham,	2.9412	409 25
	50.0000	\$6,957 18

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907 and Chapter 458 of the Acts of 1911.¹]

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent.).
Arlington,	\$1,636 79	\$701 81	\$2,338 60	24
Belmont,	1,159 39	497 12	1,656 51	17
Cambridge,	3,205 38	1,374 38	4,579 76	47
Somerville,	818 39	350 91	1,169 30	12
	\$6,819 95	\$2,924 22	\$9,744 17	100

¹ This table includes the ninth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the sixth assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1919:—

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	807,500 00	
	<hr/>	\$7,370,500 00

a decrease for the year of \$26,500.

Sinking fund April 1, 1919, 2,721,697 86

an increase for the year of \$212,787.40.

Net sewerage, north system, debt, April 1, 1919, \$4,648,802 14

a decrease for the year of \$239,287.40.

Assessments North System.

Sinking fund requirements,		\$125,355 09
Serial bonds,		24,000 00
Interest:—		
One year on \$7,323,000,	\$233,855 00	
Four months on \$14,000,	186 67	
	<hr/>	\$233,041 67
Adjustment of interest charges in 1918,	48 91	
	<hr/>	232,992 76
Maintenance as appropriated by Legislature,	\$260,000 00	
Less balance on hand,	8,052 15	
	<hr/>	251,947 85
		<hr/>
Total north metropolitan sewerage assessment,		\$634,295 70

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued,	\$62,000 00	
Previously assessed,	18,000 00	
	<hr/>	
Outstanding,	\$44,000 00	
Assessment for 1919 is made up as follows:—		
Serial bonds due Jan. 1, 1920,	\$2,000 00	
Interest:—		
One year on \$44,000,	\$1,540 00	
Four months on \$2,000,	23 33	
	<hr/>	1,563 33
		<hr/>
		\$3,563 33

Everett and Malden one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued,	\$5,500 00	
Previously assessed,	2,000 00	
	<hr/>	
Outstanding,	\$3,500 00	
Assessment for 1919 is made up as follows:—		
Serial bond due Jan. 1, 1920,	\$500 00	
Interest:—		
One year on \$3,500,	\$140 00	
Four months on \$500,	6 66	
	<hr/>	
	146 66	
	<hr/>	
		\$646 66

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1919:—

Bonds outstanding (sinking fund),	\$8,877,912 00	
Bonds outstanding (serial),	678,000 00	
	<hr/>	
		\$9,555,912 00

a decrease for the year of \$21,000.

Sinking fund April 1, 1919,	1,598,026 25	
	<hr/>	

an increase for the year of \$131,349.20.

Net sewerage, south system, debt, April 1, 1919,	\$7,957,885 75	
--	----------------	--

a decrease for the year of \$152,349.20.

Assessments, South System.

Sinking fund requirements,	\$90,426 14	
Serial bonds,	21,000 00	
Interest:—		
One year on \$9,555,912,	\$329,047 36	
Interest on advances and temporary loans, estimated, 1919,	5,000 00	
Adjustment of interest charges in 1918,	5,823 27	
	<hr/>	
		\$339,870 63
Maintenance as appropriated by Legislature,	\$152,000 00	
Less balance on hand,	2,639 28	
	<hr/>	
		149,360 72
	<hr/>	
Total south metropolitan sewerage assessment,		\$600,637 49

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington,	\$3,986 29	\$763 20	\$7,409 17	\$6,349 09	\$18,507 75
Belmont,	2,594 85	496 80	4,822 95	3,451 69	11,366 29
Boston,	17,662 53	3,381 60	32,828 68	44,972 69	98,845 50
Cambridge,	28,505 74	5,457 60	52,982 55	46,484 38	133,430 27
Chelsea,	7,546 38	1,444 80	14,026 17	18,543 36	41,560 71
Everett,	8,072 87	1,545 60	15,004 73	16,099 47	40,722 67
Lexington,	1,128 20	216 00	2,096 94	1,688 05	5,129 19
Malden,	8,311 04	1,591 20	15,447 42	20,886 48	46,236 14
Medford,	6,756 64	1,293 60	12,558 31	13,025 70	33,634 25
Melrose,	3,773 19	722 40	7,013 08	7,205 71	18,714 38
Reading, ¹	1,654 69	316 80	3,075 50	—	5,046 99
Revere,	4,776 03	914 40	8,877 02	10,758 17	25,325 62
Somerville,	16,772 51	3,211 20	31,174 43	37,086 72	88,244 86
Stoneham,	1,291 16	247 20	2,399 83	3,199 74	7,137 93
Wakefield,	2,657 53	508 80	4,939 45	5,467 27	13,573 05
Winchester,	3,447 26	660 00	6,407 30	4,283 11	14,797 67
Winthrop,	3,196 55	612 00	5,941 32	5,442 07	15,191 94
Woburn,	3,221 63	616 80	5,987 91	7,004 15	16,830 49
	\$125,355 09	\$24,000 00	\$232,992 76	\$251,947 85	\$634,295 70 ²

¹ Reading is also assessed \$7,000 for sinking fund requirements in accordance with section 5, chapter 159, General Acts of 1916.

² Exclusive of \$4,209.99, special assessments on Everett, Malden and Revere, which are included on page 5.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1918.	Amount of Dec. 1, 1918, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3¼ Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1919.
\$5,330,000 (3,153,583)	Jan., 1930 Sunk.	\$2,432,544 92	\$3,660,568 54	\$4,823,014 46	\$160,767 14	\$110,877 86
465,000 (257,624)	Jan., 1930 Sunk.	193,390 50	291,019 98	431,604 02	14,386 80	9,922 28
250,000 (56,250)	July, 1943 Sunk.	26,987 05	67,060 82	239,189 18	3,986 48	1,664 98
50,000 (11,250)	Jan., 1943 Sunk.	5,468 05	13,337 61	47,912 39	798 53	339 76
55,000 (12,375)	July, 1943 Sunk.	7,946 99	19,747 68	47,627 32	793 78	331 52
300,000 (37,500)	Jan., 1949 Sunk.	18,492 97	56,372 06	281,127 94	4,685 46	1,595 25
113,000 (14,125)	Jan., 1949 Sunk.	5,661 42	17,257 69	109,867 31	1,831 12	623 44
\$6,563,000 (3,542,707)	— Sunk.	\$2,690,491 90	\$4,125,364 38	\$5,980,342 62	\$187,249 31	\$125,355 09

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1919.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{9}{30}$	$\frac{1}{30} + \frac{3}{8}$	$\frac{1}{30}$
265,000	1930	$\frac{70}{240} + \frac{9}{30}$	$\frac{1}{30} + \frac{3}{8}$	$\frac{1}{30}$
200,000	1930	$\frac{40}{240} + \frac{9}{30}$	$\frac{1}{30} + \frac{11}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{1}{10}$	$\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{1}{10}$	$\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
300,000	1949	$\frac{1}{8}$	$\frac{10}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
113,000	1949	$\frac{1}{8}$	$\frac{10}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1919 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1919, Chapter 343.	Proportion for Interest and Sinking Funds (Per Cent).	Population, Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent).
Arlington,	\$20,954,167	3.18	14,889	2.52
Belmont,	13,658,727	2.07	8,081	1.37
Boston: —				
Charlestown, } . . .	92,960,800	14.09	105,281	17.85
East Boston, }				
Cambridge,	150,074,048	22.74	108,822	18.45
Chelsea,	39,697,831	6.02	43,426	7.36
Everett,	42,490,326	6.44	37,718	6.39
Lexington,	5,944,700 ¹	0.90	3,940 ²	0.67
Malden,	43,759,862	6.63	48,907	8.29
Medford,	35,585,712	5.39	30,509	5.17
Melrose,	19,835,595	3.01	16,880	2.86
Reading,	8,690,009	1.32	—	—
Revere,	25,158,868	3.81	25,178	4.27
Somerville,	88,319,796	13.38	86,854	14.72
Stonham,	6,803,132	1.03	7,189	1.27
Wakefield,	13,967,851	2.12	12,781	2.17
Winchester,	18,139,162	2.75	10,005	1.70
Winthrop,	16,799,768	2.55	12,758	2.16
Woburn,	16,979,838	2.57	16,410	2.78
	\$659,820,492	100.00	589,928	100.00

¹ 66.67 per cent of the town valuation, derived from figures certified by the board of assessors.² Population of Lexington sewerage district, certified by the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Boston,	\$43,015 71	\$9,989 70	\$161,676 46	\$82,521 80	\$297,203 67
Brookline,	13,618 18	3,162 60	51,184 52	12,187 83	80,153 13
Dedham,	1,898 95	441 00	7,137 28	4,017 80	13,495 03
Milton,	2,830 34	657 30	10,637 95	3,136 58	17,262 17
Newton,	11,167 63	2,593 50	41,974 02	15,697 81	71,432 96
Quincy,	7,107 49	1,650 60	26,713 83	14,801 65	50,273 57
Waltham,	4,584 61	1,064 70	17,231 44	10,978 01	33,858 76
Watertown,	3,978 75	924 00	14,954 31	6,019 24	25,876 30
Wellesley, ¹	2,224 48	516 60	8,360 82	—	11,101 90
	\$90,426 14	\$21,000 00	\$339,870 63	\$149,360 72	\$600,657 49

¹ Wellesley is also assessed \$6,775.23 for sinking fund requirements in accordance with section 5, chapter 343, Acts of 1914.

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1918.	Amount of Dec. 1, 1918, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3½ Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1919.
\$800,000 (473,333)	Jan., 1930 Sunk.	\$366,049 56	\$550,842 65	\$722,490 35	\$24,083 01	\$16,609 56
839,000 (356,575)	Mar., 1935 Sunk.	230,915 94	418,425 17	777,149 83	25,904 99	14,837 29
65,000 (25,458)	Mar., 1936 Sunk.	15,951 82	29,999 17	60,458 83	2,015 29	1,112 17
1,024,912 (298,933)	July, 1939 Sunk.	171,107 78	366,473 21	957,371 79	31,912 39	15,464 00
3,586,000 (986,150)	July, 1940 Sunk.	536,720 10	1,193,041 60	3,379,108 40	56,318 47	26,295 31
996,000 (224,100)	Jan., 1943 Sunk.	109,160 59	266,263 54	953,836 46	15,897 27	6,764 13
392,000 (81,667)	July, 1944 Sunk.	36,884 05	95,123 38	378,543 62	6,309 06	2,533 93
175,000 (30,625)	Jan., 1946 Sunk.	20,286 97	55,318 29	150,306 71	2,505 11	953 47
1,000,000 (175,000)	Jan., 1946 Sunk.	92,636 79	252,600 99	922,399 01	15,373 31	5,851 28
\$8,877,912 (2,651,841)	— Sunk.	\$1,579,713 60	\$3,228,088 00	\$8,301,665 00	\$180,318 90	\$90,426 14

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1919.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{9}{30}$	$\frac{1}{30} + \frac{3}{5}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{5}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6} + \frac{3}{30}$	$\frac{7}{30} + \frac{3}{5}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{1}{6}$	$\frac{10}{30} + \frac{3}{5}$	$\frac{1}{30}$
3,586,000	1940	$\frac{1}{8} + \frac{9}{60}$	$\frac{10}{60} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{60}$
996,000	1943	$\frac{1}{8} + \frac{6}{60}$	$\frac{4}{60} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{60}$
175,000	1946	$\frac{1}{8} + \frac{3}{60}$	$\frac{7}{60} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{60}$
1,000,000	1946	$\frac{1}{8} + \frac{3}{60}$	$\frac{7}{60} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1919 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1919, Chapter 343.	Proportion for Interest and Sinking Funds (Per Cent).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent).
Waltham,	\$33,531,618	5.07	30,154	7.35
Watertown,	29,115,299	4.40	16,515	4.03
Newton,	81,640,920	12.35	43,113	10.51
Boston,	314,539,900	47.57	226,645	55.25
Brighton,	\$59,700,800		34,782	
Back Bay,	68,956,700		23,127	
Roxbury,	47,922,600		51,588	
West Roxbury,	42,503,400		37,196	
Dorchester,	75,651,500		62,002	
Hyde Park,	19,804,900		17,950	
Brookline,	99,579,927	15.06	33,490	8.16
Dedham,	13,878,200 ¹	2.10	11,043	2.69
Milton,	20,733,252	3.13	8,600	2.10
Quincy,	51,947,249	7.86	40,674	9.91
Wellesley,	16,305,003	2.46		
	\$661,271,368	100.00	410,234	100.00

¹ 95.45 per cent of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1918 and 1919.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1918.	1919.	1918.	1919.
Arlington, . . .	\$11,928 29	\$13,287 20	\$17,349 75	\$18,507 75
Belmont, . . .	7,226 77	7,990 12	11,132 41	11,366 29
Boston, . . .	791,445 58	892,611 17	350,248 66	396,049 17
Braintree, . . .	4,907 95	5,690 11	—	—
Brookline, . . .	66,703 89	74,364 91	106,668 97	80,153 13
Cambridge, . . .	73,219 87	83,345 90	127,065 18	133,430 27
Canton, . . .	3,560 84	4,091 22	—	—
Chelsea, . . .	18,937 15	22,191 90	35,579 26	41,560 71
Cohasset, . . .	322 25	376 46	—	—
Dedham, . . .	7,969 59	9,108 75	12,931 89	13,495 03
Dover, . . .	3,046 77	3,379 20	—	—
Everett, . . .	19,029 06	22,111 07	36,493 36	42,504 33
Hingham, . . .	4,570 87	5,189 58	—	—
Hull, . . .	3,583 24	4,010 41	—	—
Lexington, . . .	—	—	5,946 00	5,129 19
Lynn, . . .	51,341 16	59,465 56	—	—
Malden, . . .	29,938 75	34,345 16	48,270 24	48,017 81
Medford, . . .	21,392 95	24,343 90	31,120 13	33,634 25
Melrose, . . .	10,597 62	12,182 89	18,851 06	18,714 38
Milton, . . .	15,756 96	17,589 25	23,456 65	17,262 17
Nahant, . . .	6,183 93	6,840 13	—	—
Needham, . . .	4,487 97	5,139 68	—	—
Newton, . . .	44,431 47	49,947 73	67,682 95	71,432 96
Quincy, . . .	26,179 75	29,455 74	38,848 28	50,273 57
Reading, . . .	—	—	12,217 70	12,046 99
Revere, . . .	12,305 33	14,322 69	24,206 93	25,972 28
Saugus, . . .	4,321 35	5,073 60	—	—
Somerville, . . .	47,828 73	55,081 40	80,430 29	88,244 86
Stoneham, . . .	4,148 63	4,776 26	6,594 86	7,137 93
Swampscott, . . .	8,151 80	9,190 91	—	—
Wakefield, . . .	6,709 73	7,780 55	12,673 22	13,573 05
Waltham, . . .	17,951 75	20,686 68	28,595 64	33,858 76
Watertown, . . .	10,720 89	12,306 87	18,355 28	25,876 30
Wellesley, . . .	8,919 87	10,006 31	18,608 35	17,877 13
Weston, . . .	5,643 60	6,176 42	—	—
Westwood, . . .	2,087 94	2,340 65	—	—
Weymouth, . . .	6,561 31	7,654 61	—	—
Winchester, . . .	8,650 48	9,824 29	15,802 33	14,797 67
Winthrop, . . .	8,929 77	10,218 07	15,091 08	15,191 94
Woburn, . . .	7,818 77	9,113 73	15,558 85	16,830 49
	\$1,387,512 63	\$1,571,611 08	\$1,179,779 32	\$1,252,938 41

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1919: —

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	303,000 00	
	<hr/>	\$4,428,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1919,	1,036,333 01	
	<hr/>	

an increase for the year of \$69,812.46.

Net Charles River Basin debt, April 1, 1919,	\$3,391,666 99	
--	----------------	--

a decrease for the year of \$79,812.46.

TOTAL CHARLES RIVER BASIN ASSESSMENT FOR 1919.

District.

Serial bonds,	\$10,000 00	
-------------------------	-------------	--

Interest: —

One year on \$4,125,000,	\$142,250 00	
------------------------------------	--------------	--

Six months on \$313,000,	5,650 00	
------------------------------------	----------	--

Six months on \$303,000,	5,470 00	
------------------------------------	----------	--

Interest on advances and tempo- rary loans, estimated, 1919,	5,000 00	
---	----------	--

Adjustment of interest charges, 1918,	5,420 36	
	<hr/>	\$163,790 36

Less interest on bridge,	41,381 82	
	<hr/>	122,408 54

Maintenance as appropriated by Legislature,	\$187,148 47	
---	--------------	--

Less balance on hand,	21,018 53	
	<hr/>	166,129 94

Total Charles River Basin district assessment,	\$298,538 48	
--	--------------	--

Charles River Bridge.

Sinking fund,	\$10,258 26	
-------------------------	-------------	--

Interest,	41,381 82	
	<hr/>	\$51,640 08

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN, SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1918.	Amount of Dec. 1, 1918, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3½ Per Cent.	Balance.	Sinking Fund Require- ments for 1919.
\$177,272 73	Jan., 1944	\$182,967 72	\$463,186 14	—	—
283,636 36	Jan., 1945	313,849 01	824,588 14	—	—
425,454 55	Jan., 1946	303,950 32	828,808 45	—	—
815,454 55	Jan., 1947	391,954 97	1,109,233 52	—	—
283,636 36	Jan., 1948	95,998 53	281,959 43	—	—
602,727 28	Jan., 1949	120,833 30	368,335 80	—	—
336,818 17	Jan., 1950	15,559 66	49,225 78	—	—
\$2,925,000 00	—	\$1,425,113 51 ¹	\$3,925,337 26	—	—

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$23,178 19	\$58,676 01	\$14,051 26	\$347 27
116,363 64	Jan., 1945	38,051 13	99,973 26	16,390 38	381 23
174,545 45	Jan., 1946	43,682 14	119,111 98	55,433 47	1,215 11
334,545 45	Jan., 1947	67,616 40	191,354 57	143,190 88	2,961 74
116,363 64	Jan., 1948	19,869 82	58,360 09	58,003 55	1,133 39
247,272 72	Jan., 1949	34,661 52	105,658 61	141,614 11	2,616 96
138,181 83	Jan., 1950	14,721 90	46,575 37	91,606 46	1,602 56
\$1,200,000 00	—	\$241,781 10	\$679,709 89	\$520,290 11	\$10,258 26

¹ Includes \$642,842.83, balance of cost of embankment which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	For Sinking Fund, Interest and Maintenance Requirements.
Arlington, . . . . .	.00647
Belmont, . . . . .	.00384
Boston, . . . . .	.60799
Braintree, . . . . .	.00307
Brookline, . . . . .	.05635
Cambridge, . . . . .	.04623
Canton, . . . . .	.00241
Chelsea, . . . . .	.01068
Dedham, . . . . .	.00563
Dover, . . . . .	.00266
Everett, . . . . .	.01166
Hingham, . . . . .	.00340
Hull, . . . . .	.00295
Lynn, . . . . .	.03240
Malden, . . . . .	.01652
Medford, . . . . .	.01071
Melrose, . . . . .	.00714
Milton, . . . . .	.01320
Nahant, . . . . .	.00549
Needham, . . . . .	.00312
Newton, . . . . .	.03251
Quincy, . . . . .	.01326
Revere, . . . . .	.00742
Saugus, . . . . .	.00239
Somerville, . . . . .	.02652
Stoneham, . . . . .	.00199
Swampscott, . . . . .	.00638
Wakefield, . . . . .	.00419
Waltham, . . . . .	.01185
Watertown, . . . . .	.00731
Wellesley, . . . . .	.00723
Weston, . . . . .	.00414
Westwood, . . . . .	.00170
Weymouth, . . . . .	.00387
Winchester, . . . . .	.00642
Winthrop, . . . . .	.00625
Woburn, . . . . .	.00465
	1 00000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Total.
Arlington, . . .	\$791 98	\$1,074 86	\$64 70	\$1,931 54
Belmont, . . .	470 05	637 94	38 40	1,146 39
Boston, . . .	74,423 17	101,005 34	6,079 90	181,508 41
Braintree, . . .	375 80	510 02	30 70	916 52
Brookline, . . .	6,897 72	9,361 42	563 50	16,822 64
Cambridge, . . .	5,658 95	7,680 19	462 30	13,801 44
Canton, . . .	295 01	400 37	24 10	719 48
Chelsea, . . .	1,307 32	1,774 27	106 80	3,188 39
Dedham, . . .	689 16	935 31	56 30	1,680 77
Dover, . . .	325 61	441 91	26 60	794 12
Everett, . . .	1,427 28	1,937 08	116 60	3,480 96
Hingham, . . .	416 19	564 84	34 00	1,015 03
Hull, . . .	361 11	490 08	29 50	880 69
Lynn, . . .	3,966 04	5,382 61	324 00	9,672 65
Malden, . . .	2,022 19	2,744 47	165 20	4,931 86
Medford, . . .	1,311 00	1,779 25	107 10	3,197 35
Melrose, . . .	874 00	1,186 17	71 40	2,131 57
Milton, . . .	1,615 79	2,192 92	132 00	3,940 71
Nahant, . . .	672 02	912 05	54 90	1,638 97
Needham, . . .	381 91	518 33	31 20	931 44
Newton, . . .	3,979 50	5,400 89	325 10	9,705 49
Quincy, . . .	1,623 14	2,202 88	132 60	3,958 62
Revere, . . .	908 27	1,232 68	74 20	2,215 15
Saugus, . . .	292 56	397 05	23 90	713 51
Somerville, . . .	3,246 27	4,405 77	265 20	7,917 24
Stoneham, . . .	243 59	330 60	19 90	594 09
Swampscott, . . .	780 97	1,059 91	63 80	1,904 68
Wakefield, . . .	512 89	696 08	41 90	1,250 87
Waltham, . . .	1,450 54	1,968 64	118 50	3,537 68
Watertown, . . .	894 81	1,214 41	73 10	2,182 32
Wellesley, . . .	885 01	1,201 12	72 30	2,158 43
Weston, . . .	506 77	687 78	41 40	1,235 95
Westwood, . . .	208 09	282 42	17 00	507 51
Weymouth, . . .	473 72	642 92	38 70	1,155 34
Winchester, . . .	785 86	1,066 55	64 20	1,916 61
Winthrop, . . .	765 05	1,038 31	62 50	1,865 86
Woburn, . . .	569 20	772 50	46 50	1,388 20
	\$122,408 54	\$166,129 94	\$10,000 00	\$298,538 48 ¹

¹ Exclusive of \$51,640.08, special assessments on Boston and Cambridge, and \$25,639.45 embankment interest on Boston, which are included on page 5.

Analysis of Charles River Basin Debt, July 1, 1919.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,428,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,380,363 57
Sinking fund, . . .	1,043,995 54	123,179 35	123,179 35	205,349 16	592,287 68
	\$3,384,004 46	\$476,820 65	\$476,820 65	\$642,287 27	\$1,788,075 89

STATEMENT OF THE DEBTS OF THE METROPOLITAN

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund), . .		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial),		229,750 00		—		781,212 50	
Gross debt,		\$9,014,750 00		\$700,000 00		\$3,348,712 50	
Sinking funds, July 1, 1919,		3,452,615 23		263,339 76		948,998 26	
Net debt,		\$5,562,134 77 5,546,134 77 ²		\$436,660 24		\$2,399,714 24 2,193,289 24 ²	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00647	\$35,883 49	.00644	\$2,812 09	.00647	\$14,190 58
2	Belmont, . . . . .	.00384	21,297 16	.00382	1,668 01	.00384	8,422 23
3	Boston, . . . . .	.60799	3,371,994 48	.60533	264,323 54	.60799	1,391,497 93
4	Braintree, . . . . .	.00307	17,026 63	.00306	1,336 18	.00307	6,733 40
5	Brookline, . . . . .	.05635	312,524 69	.05610	24,496 64	.05635	123,591 85
6	Cambridge, . . . . .	.04623	256,397 81	.04603	20,099 47	.04623	101,395 76
7	Canton, . . . . .	.00241	13,366 18	.00240	1,047 99	.00241	5,285 83
8	Chelsea, . . . . .	.01068	59,232 72	.01063	4,641 70	.01068	23,424 33
9	Cohasset,	—	—	.00438	1,912 57	—	—
10	Dedham, . . . . .	.00563	31,224 74	.00561	2,449 66	.00563	12,348 22
11	Dover, . . . . .	.00266	14,752 72	.00265	1,157 15	.00266	5,834 15
12	Everett, . . . . .	.01166	64,667 93	.01161	5,069 63	.01166	25,573 75
13	Hingham, . . . . .	.00340	18,856 86	.00338	1,475 91	.00340	7,157 18
14	Hull, . . . . .	.00295	16,361 10	.00294	1,283 78	.00295	6,470 20
15	Lexington,	—	—	—	—	—	—
16	Lynn, . . . . .	.03240	179,694 77	.03226	14,086 66	.03240	71,062 57
17	Malden, . . . . .	.01652	91,622 15	.01644	7,178 70	.01652	45,203 14
18	Medford, . . . . .	.01071	59,399 10	.01067	4,659 16	.01071	31,530 13
19	Melrose, . . . . .	.00714	39,599 40	.00710	3,100 29	.00714	15,660 09
20	Milton, . . . . .	.01320	73,208 98	.01314	5,737 72	.01320	28,951 42
21	Nahant, . . . . .	.00549	30,448 28	.00547	2,388 53	.00549	12,041 16
22	Needham, . . . . .	.00312	17,303 94	.00311	1,358 01	.00312	6,843 06
23	Newton, . . . . .	.03251	188,304 84	.03237	14,134 69	.03251	71,303 83
24	Quincy, . . . . .	.01326	73,541 75	.01320	5,763 92	.01326	72,583 02
25	Reading,	—	—	—	—	—	—
26	Revere, . . . . .	.00742	41,152 32	.00739	3,226 92	.00742	16,274 21
27	Saugus, . . . . .	.00239	13,255 26	.00238	1,039 25	.00239	5,241 96
28	Somerville, . . . . .	.02652	147,083 49	.02640	11,527 83	.02652	65,756 03
29	Stonham, . . . . .	.00199	11,036 81	.00198	864 59	.00199	6,089 65
30	Swampscott, . . . . .	.00638	35,384 31	.00635	2,772 79	.00638	13,993 19
31	Wakefield, . . . . .	.00419	23,238 30	.00417	1,820 87	.00419	9,189 88
32	Waltham, . . . . .	.01185	65,721 70	.01180	5,152 59	.01185	25,990 48
33	Watertown, . . . . .	.00731	40,542 25	.00728	3,178 89	.00731	16,032 94
34	Wellesley, . . . . .	.00723	40,098 55	.00720	3,143 95	.00723	15,857 48
35	Weston, . . . . .	.00114	26,161 00	.00112	1,799 04	.00114	9,080 22
36	Westwood, . . . . .	.00170	9,428 43	.00170	742 32	.00170	3,728 59
37	Weymouth, . . . . .	.00387	21,463 54	.00385	1,681 14	.00387	8,488 03
38	Winchester, . . . . .	.00642	35,606 19	.00639	2,790 26	.00642	11,080 91
39	Winthrop, . . . . .	.00625	34,663 34	.00622	2,716 03	.00625	13,708 05
40	Woburn, . . . . .	.00165	25,789 53	.00163	2,021 74	.00165	10,198 79
		1.00000	\$5,557,334 77 ¹	1.00000	\$436,660 24	1.00000	\$2,324,114 24 ¹

¹ See page 35 for details.² District proportion.

DISTRICT (CHAPTER 526, ACTS OF 1911).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.		TOTAL.	
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
807,500 00		678,000 00		1,337,000 00		303,000 00			
\$7,370,500 00		\$9,555,912 00		\$42,735,000 00		\$4,428,000 00			
2,741,451 66		1,609,609 83		15,186,283 53		1,043,995 54			
\$4,629,048 34		\$7,946,302 17		\$27,548,716 47		\$3,384,004 46 ¹			
4,581,548 34 ²						1,788,075 89 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0318	\$145,693 24	—	—	.009978	\$274,881 09	.00647	\$11,568 85	\$485,029 34	1
.0207	94,838 05	—	—	.005168	142,371 77	.00384	6,866 21	275,463 46	2
.1409	645,540 16	.4757	\$3,780,055 94	.740572	20,401,808 06	.60799	2,206,240 18	32,061,160 29	3
—	—	—	—	—	—	.00307	5,489 39	30,585 60	4
—	—	.1506	1,196,713 11	—	—	.05635	100,758 08	1,758,084 37	5
.2274	1,041,844 09	—	—	—	—	.04623	559,483 40	1,979,220 53	6
—	—	—	—	—	—	.00241	4,309 26	24,009 26	7
.0602	275,809 21	—	—	.023855	657,174 63	.01068	19,096 65	1,039,379 24	8
—	—	—	—	—	—	—	—	1,912 57	9
—	—	.0210	166,872 35	—	—	.00563	10,066 87	222,961 84	10
—	—	—	—	—	—	.00266	4,756 28	26,500 30	11
.0644	317,051 71	—	—	.023918	658,910 20	.01166	20,848 97	1,092,122 19	12
—	—	—	—	—	—	.00340	6,079 46	33,869 41	13
—	—	—	—	—	—	.00295	5,274 82	29,389 90	14
.0090	41,233 94	—	—	.003988	109,864 28	—	—	151,098 22	15
—	—	—	—	—	—	.03240	57,933 66	322,777 66	16
.0663	325,756 65	—	—	.023623	650,783 33	.01652	29,539 01	1,150,082 98	17
.0539	246,945 46	—	—	.016955	467,088 49	.01071	19,150 29	831,772 63	18
.0301	137,904 61	—	—	.009301	256,230 61	.00714	12,766 86	465,261 86	19
—	—	.0313	248,719 26	.005303	146,090 84	.01320	23,602 60	526,310 82	20
—	—	—	—	.001874	51,626 30	.00549	9,816 54	106,320 81	21
—	—	—	—	—	—	.00312	5,578 80	31,083 81	22
—	—	.1235	981,368 32	.002548	70,194 13	.03251	58,130 35	1,383,436 16	23
—	—	.0786	624,579 35	.032035	882,523 13	.01326	23,709 89	1,682,701 06	24
.0132	60,476 44	—	—	—	—	—	—	60,476 44	25
.0381	178,056 99	—	—	.014339	395,021 05	.00742	13,267 52	646,999 01	26
—	—	—	—	—	—	.00239	4,273 50	23,809 97	27
.1338	613,011 17	—	—	.052548	1,447,629 95	.02652	47,419 77	2,332,428 24	28
.0103	47,189 95	—	—	.004282	117,963 60	.00199	3,558 27	186,702 87	29
—	—	—	—	.005443	149,917 66	.00638	11,407 93	213,505 91	30
.0212	97,128 82	—	—	—	—	.00419	7,492 04	138,869 91	31
—	—	.0507	402,877 52	—	—	.01185	21,188 70	520,930 99	32
—	—	.0440	349,637 29	.016623	457,942 31	.00731	13,070 83	880,404 51	33
—	—	.0246	195,479 03	—	—	.00723	12,927 79	267,506 80	34
—	—	—	—	—	—	.00414	7,402 64	44,442 90	35
—	—	—	—	—	—	.00170	3,039 73	16,939 07	36
—	—	—	—	—	—	.00387	6,919 85	38,552 56	37
.0275	125,992 58	—	—	—	—	.00642	11,479 45	189,949 39	38
.0255	116,829 48	—	—	.007647	210,665 04	.00625	11,175 47	389,757 41	39
.0257	117,745 79	—	—	—	—	.00465	8,314 55	164,070 40	40
1.0000	\$4,629,048 34	1.0000	\$7,946,302 17	1.000000	\$27,548,716 47	1.000000	\$3,384,004 46	\$51,826,180 69	

³ Exclusive of \$4,800, share of county of Middlesex.⁴ Exclusive of \$75,600, share of certain counties and street railways.

SINKING FUND TABLES.

One dollar put in each year, with interest at the rate of 4 per cent per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	=	1.04040000	\$1 each year for 19 years	=	28.90197165
\$1 in 2 years	=	1.08243216	\$1 in 20 years	=	2.20803964
\$1 each year for 2 years	=	2.12283216	\$1 each year for 20 years	=	31.11001129
\$1 in 3 years	=	1.12616241	\$1 in 21 years	=	2.29724444
\$1 each year for 3 years	=	3.24899457	\$1 each year for 21 years	=	33.40725573
\$1 in 4 years	=	1.17165938	\$1 in 22 years	=	2.39005311
\$1 each year for 4 years	=	4.42065395	\$1 each year for 22 years	=	35.79730884
\$1 in 5 years	=	1.21899441	\$1 in 23 years	=	2.48661126
\$1 each year for 5 years	=	5.63964836	\$1 each year for 23 years	=	38.28392010
\$1 in 6 years	=	1.26824179	\$1 in 24 years	=	2.58707035
\$1 each year for 6 years	=	6.90789015	\$1 each year for 24 years	=	40.87099045
\$1 in 7 years	=	1.31947875	\$1 in 25 years	=	2.69158799
\$1 each year for 7 years	=	8.22736890	\$1 each year for 25 years	=	43.56257844
\$1 in 8 years	=	1.37278570	\$1 in 26 years	=	2.80032815
\$1 each year for 8 years	=	9.60015460	\$1 each year for 26 years	=	46.36290659
\$1 in 9 years	=	1.42824624	\$1 in 27 years	=	2.91346140
\$1 each year for 9 years	=	11.02840084	\$1 each year for 27 years	=	49.27636799
\$1 in 10 years	=	1.48594738	\$1 in 28 years	=	3.03116524
\$1 each year for 10 years	=	12.51434822	\$1 each year for 28 years	=	52.30753323
\$1 in 11 years	=	1.54597966	\$1 in 29 years	=	3.15362432
\$1 each year for 11 years	=	14.06032788	\$1 each year for 29 years	=	55.46115755
\$1 in 12 years	=	1.60843724	\$1 in 30 years	=	3.28103074
\$1 each year for 12 years	=	15.66876512	\$1 each year for 30 years	=	58.74218829
\$1 in 13 years	=	1.67341810	\$1 in 31 years	=	3.41358438
\$1 each year for 13 years	=	17.34218322	\$1 each year for 31 years	=	62.15577267
\$1 in 14 years	=	1.74102419	\$1 in 32 years	=	3.55149318
\$1 each year for 14 years	=	19.08320741	\$1 each year for 32 years	=	65.70726585
\$1 in 15 years	=	1.81136157	\$1 in 33 years	=	3.69497350
\$1 each year for 15 years	=	20.89456898	\$1 each year for 33 years	=	69.40223935
\$1 in 16 years	=	1.88454057	\$1 in 34 years	=	3.84425042
\$1 each year for 16 years	=	22.77910955	\$1 each year for 34 years	=	73.24618977
\$1 in 17 years	=	1.96067601	\$1 in 35 years	=	3.99955813
\$1 each year for 17 years	=	24.73978556	\$1 each year for 35 years	=	77.24604790
\$1 in 18 years	=	2.03988732	\$1 in 36 years	=	4.16114027
\$1 each year for 18 years	=	26.77967288	\$1 each year for 36 years	=	81.40718817
\$1 in 19 years	=	2.12229877			
\$1 each year for 19 years	=	28.90197165			

One dollar put in each year, with interest at the rate of $3\frac{3}{4}$ per cent per annum, compounded semiannually, amounts to the following in from 1 to 35 years, both inclusive:—

\$1 for 1 year	=	1.03785156	\$1 each year for 18 years	=	26.09727843
\$1 in 2 years	=	1.07713586	\$1 in 19 years	=	2.02567431
\$1 each year for 2 years	=	2.11498742	\$1 each year for 19 years	=	28.12295274
\$1 in 3 years	=	1.11790713	\$1 in 20 years	=	2.10234924
\$1 each year for 3 years	=	3.23289455	\$1 each year for 20 years	=	30.22530198
\$1 in 4 years	=	1.16022167	\$1 in 21 years	=	2.18192645
\$1 each year for 4 years	=	4.39311622	\$1 each year for 21 years	=	32.40722843
\$1 in 5 years	=	1.20413787	\$1 in 22 years	=	2.26451577
\$1 each year for 5 years	=	5.59725409	\$1 each year for 22 years	=	34.67174420
\$1 in 6 years	=	1.24971637	\$1 in 23 years	=	2.35023123
\$1 each year for 6 years	=	6.84697046	\$1 each year for 23 years	=	37.02197543
\$1 in 7 years	=	1.29702008	\$1 in 24 years	=	2.43919115
\$1 each year for 7 years	=	8.14399054	\$1 each year for 24 years	=	39.46116658
\$1 in 8 years	=	1.34611432	\$1 in 25 years	=	2.53151835
\$1 each year for 8 years	=	9.49010486	\$1 each year for 25 years	=	41.99268493
\$1 in 9 years	=	1.39706685	\$1 in 26 years	=	2.62734027
\$1 each year for 9 years	=	10.88717171	\$1 each year for 26 years	=	44.62002520
\$1 in 10 years	=	1.44994801	\$1 in 27 years	=	2.72678921
\$1 each year for 10 years	=	12.33711972	\$1 each year for 27 years	=	47.34681441
\$1 in 11 years	=	1.50483081	\$1 in 28 years	=	2.83000244
\$1 each year for 11 years	=	13.84195053	\$1 each year for 28 years	=	50.17681685
\$1 in 12 years	=	1.56179100	\$1 in 29 years	=	2.93712245
\$1 each year for 12 years	=	15.40374153	\$1 each year for 29 years	=	53.11393930
\$1 in 13 years	=	1.62090723	\$1 in 30 years	=	3.04829712
\$1 each year for 13 years	=	17.02464876	\$1 each year for 30 years	=	56.16223642
\$1 in 14 years	=	1.68226110	\$1 in 31 years	=	3.16367992
\$1 each year for 14 years	=	18.70690986	\$1 each year for 31 years	=	59.32591634
\$1 in 15 years	=	1.74593731	\$1 in 32 years	=	3.28343013
\$1 each year for 15 years	=	20.45284717	\$1 each year for 32 years	=	62.60934647
\$1 in 16 years	=	1.81202377	\$1 in 33 years	=	3.40771308
\$1 each year for 16 years	=	22.26487094	\$1 each year for 33 years	=	66.01705955
\$1 in 17 years	=	1.88061170	\$1 in 34 years	=	3.53670034
\$1 each year for 17 years	=	24.14548264	\$1 each year for 34 years	=	69.55375989
\$1 in 18 years	=	1.95179579	\$1 in 35 years	=	3.67056997
\$1 each year for 18 years	=	26.09727843	\$1 each year for 35 years	=	73.22432986

INDEX.

A.

	PAGE
Alewife Brook,	24
Assessments on Counties and Street Railways,	7

B.

Boston and Cambridge, Charles River Bridge,	32, 33
Boulevards. See "Metropolitan Parks Loan."	

C.

Charles River Basin Debt, analysis of,	35
Charles River Basin Loan: —	
Assessment, how made up,	32
Sinking Fund (Charles River Bridge),	33
Sinking Fund (District),	33
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements,	35
Proportion in Percentages to be paid annually,	34
Charles River Bridge, Boston and Cambridge,	32, 33
Comparison of 1918 and 1919 Parks and Sewerage Assessments,	31
Comparison of 1918 and 1919 Water Assessments,	11
Counties, Assessments on,	7

D.

Debts of the Metropolitan District for 1919,	36, 37
--	--------

E.

Everett and Malden, Special Assessment,	25
---	----

G.

Gross Charles River Basin Loan Debt, April 1, 1919,	32
Gross Metropolitan Parks Debt, April 1, 1919,	12
Gross Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1919,	12
Gross Metropolitan Sewerage (North System) Debt, April 1, 1919,	25
Gross Metropolitan Sewerage (South System) Debt, April 1, 1919,	26
Gross Metropolitan Water Debt, April 1, 1919,	8

M.

Malden and Everett, Special Assessment,	25
Metropolitan Districts, Statement of the Debts of, for 1919,	36, 37
Metropolitan Districts, Total Assessments for,	5

Metropolitan Parks Loan: —	PAGE
Parks Sinking Fund Requirements,	17
Boulevards Sinking Fund Requirements,	17
Nantasket Sinking Fund Requirements,	17
Parks Interest Requirements,	18
Boulevards Interest Requirements,	18
Nantasket Interest Requirements,	18
Parks Maintenance Requirements,	19
Boulevards Maintenance Requirements,	19
Nantasket Maintenance Requirements,	19
Wellington Bridge Maintenance Requirements,	19
Parks Serial Bonds Requirements,	20
Boulevards Serial Bonds Requirements,	20
Assessment, how made up,	12, 13
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	14
Neponset Bridge, Special Assessment,	21
Newton-Weston Bridge, Special Assessment,	22
Proportion in Percentages to be paid annually,	15
Sinking Fund, Parks,	16
Sinking Fund, Boulevards, Series 2,	16
Sinking Fund, Nantasket,	16
Wellington Bridge, Special Assessment,	23
Metropolitan Parks and Sewerage Loans, Comparison of 1918 and 1919 Assessments,	31
Metropolitan Sewerage Loan, North System: —	
Amounts provided for and to be provided for,	28
Assessments, how made up,	25, 26
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	27
Everett and Malden, Special Assessment,	25
Proportion in Percentages to be paid annually,	28
Reading, Special Sinking Fund Assessment,	27
Revere, Special Assessment,	26
Sinking Fund,	27
Metropolitan Sewerage Loan, South System: —	
Amounts provided for and to be provided for,	30
Assessment, how made up,	26
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	29
Proportion in Percentages to be paid annually,	30
Sinking Fund,	29
Wellesley, Special Sinking Fund Assessment,	29
Metropolitan Water Loan: —	
Assessment, how made up,	8
Comparison of Total 1918 and 1919 Assessments,	11
Computations for determining Assessment,	9
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	10
Sinking Fund,	9

N.

Nantasket. See "Metropolitan Parks Loan."	PAGE
Neponset Bridge,	21
Newton-Weston Bridge,	22
Net Charles River Basin Loan Debt, April 1, 1919,	32
Net Metropolitan Parks Debt, April 1, 1919,	12
Net Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1919,	12
Net Metropolitan Sewerage (North System) Debt, April 1, 1919,	25
Net Metropolitan Sewerage (South System) Debt, April 1, 1919,	26
Net Metropolitan Water Debt, April 1, 1919,	8
Net Water Debt of Cities in Original Metropolitan Water District,	11

O.

Outlet for Sewage of Everett and Malden,	25
Outlet for Sewage of Revere,	26

P.

Parks. See "Metropolitan Parks Loan."

R.

Reading, Special Sinking Fund Assessment,	27
Revenue from Water received by Cities and Towns, 1918,	11
Revere, Special Assessment,	26

S.

Sewerage Loan. See "Metropolitan Sewerage Loan, North System;"
"Metropolitan Sewerage Loan, South System."

Sinking Fund Tables,	38, 39
Special Metropolitan District Assessments,	6
Street Railways, Assessments on,	7

T.

Total Assessments for Metropolitan Districts,	5
---	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District,	11
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1918,	11
Wellington Bridge:—	
Serial Bonds, Special Assessment,	23
Interest, Special Assessment,	23
Maintenance, Special Assessment,	23
Maintenance, District Assessment,	19
Wellesley, Special Sinking Fund Assessment,	29

The Commonwealth of Massachusetts

1920

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL



BOSTON
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET
1920

The Commonwealth of Massachusetts

TREASURY DEPARTMENT, Sept. 8, 1920.

Under the provisions of chapter 526 of the Acts of 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1920, to be paid by the cities and towns comprising the metropolitan district, are compiled and printed as a public document and herewith submitted.

There have been issued during the year 1920, on account of the metropolitan district, bonds to the amount of \$509,000; of these, \$225,000 bear interest at the rate of $4\frac{1}{2}$ per cent, and \$284,000 bear interest at the rate of $4\frac{1}{4}$ per cent. These bonds are divided as follows:—

Metropolitan Parks, Series 2, Loan.

\$250,000 ($4\frac{1}{4}$ per cent). Chapter 175, General Acts of 1919, providing for the completion by the Metropolitan Park Commission of boulevards and roadways already authorized by law. Fifty per cent of the annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district, and 50 per cent by the Commonwealth.

Metropolitan Sewerage Loan, South System.

\$225,000 ($4\frac{1}{2}$ per cent). Chapter 237, General Acts of 1919, providing for the completion of the Wellesley extension of the south metropolitan sewerage system. Bonds to the amount of \$675,000 have already been issued for this purpose. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district, south system.

Metropolitan Water Loan.

\$14,000 ($4\frac{1}{4}$ per cent). Chapter 165, General Acts of 1919, providing for an additional water supply for the town of Milton and the Hyde Park district of the city of Boston.

\$20,000 ($4\frac{1}{4}$ per cent). Chapter 167, General Acts of 1919, providing for an additional supply of water for the town of Lexington.

The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan water district.

Under chapter 443 of the Acts of 1920 a new basis for determining the annual assessments upon the cities and towns within the metropolitan parks district was established.

CHAPTER 443, ACTS OF 1920, APPROVED MAY 13, 1920.

AN ACT TO ESTABLISH A BASIS FOR DETERMINING THE ANNUAL ASSESSMENTS UPON THE MUNICIPALITIES WITHIN THE METROPOLITAN PARKS DISTRICT FOR INTEREST, SINKING FUND AND SERIAL BOND REQUIREMENTS AND COST OF MAINTENANCE.

Be it enacted, etc., as follows:

SECTION 1. The proportions in which each of the cities and towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: — The city of Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; the city of Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said cities and towns of the metropolitan parks district.

SECTION 2. The proportion in which each city and town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any city or town by adding together the percentage which the valuation

of the same bears to the total valuation of the cities and towns of the district and the percentage which the population of the same bears to the total population of the cities and towns of the district, and dividing this sum by two.

SECTION 3. The proportion in which each city and town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth, to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable valuations of the property of said cities and towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the cities and towns of the state as a part of the annual state tax.

SECTION 4. The metropolitan district commission shall annually, in accordance with the provisions of the foregoing sections, determine the proportion in which each of the cities and towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determinations of the commission to the state treasurer.

SECTION 5. The amount of money required each year from every such city or town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular city or town, and shall be included and made a part of the sum charged to such city or town, and shall be paid by such city or town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 6. This act shall apply to the apportionment and payment of interest, sinking fund and serial or other bond requirements and costs of maintenance by said cities and towns for the year nineteen hundred and twenty and each year thereafter. For the purposes of this act, the words "taxable valuations of the property of cities and towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes; and the words "population of the cities and towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

SECTION 7. This act shall take effect upon its passage.

JAMES JACKSON,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1920.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington, . .	\$23,603 88	\$15,249 54	\$18,945 58N	\$2,299 90	\$60,098 40
Belmont, . .	13,440 08	9,788 98	11,661 00N	1,499 18	36,389 24
Boston, . .	1,885,924 91	884,913 01	{ 100,545 47N 320,757 57S }	231,785 97	3,423,926 93
Braintree, . .	-	6,495 22	-	1,091 59	7,586 81
Brookline, . .	-	51,558 84	85,939 62S	10,929 79	148,428 25
Cambridge, . .	-	92,606 16	136,545 79N	41,523 92	270,675 87
Canton, . .	-	4,238 07	-	759 20	4,997 27
Chelsea, . .	59,247 66	26,114 45	42,296 59N	4,357 19	132,015 89
Cohasset, . .	-	216 33	-	-	216 33
Dedham, . .	-	8,571 45	14,579 76S	1,595 81	24,747 02
Dover, . .	-	1,511 41	-	332 14	1,843 55
Everett, . .	57,061 77	26,745 57	43,309 83N	4,663 68	131,780 85
Hingham, . .	-	4,369 33	-	808 44	5,177 77
Hull, . .	-	5,454 58	-	1,265 16	6,719 74
Lexington, . .	9,156 47	-	5,254 64N	-	14,411 11
Lynn, . .	-	66,732 66	-	11,683 12	78,415 78
Malden, . .	54,639 20	33,243 89	48,786 65N	4,803 03	141,472 77
Medford, . .	38,174 66	28,595 07	34,344 10N	3,905 85	105,019 68
Melrose, . .	23,153 10	12,381 78	19,111 76N	2,177 13	56,823 77
Milton, . .	13,261 28	11,035 84	18,537 12S	2,275 66	45,109 60
Nahant, . .	4,323 90	2,296 33	-	504 59	7,124 82
Needham, . .	-	6,204 88	-	1,194 40	7,399 28
Newton, . .	6,557 62	47,046 06	76,861 69S	8,960 82	139,426 19
Quincy, . .	85,259 00	37,146 33	54,305 19S	5,701 67	182,412 19
Reading, . .	-	-	12,266 29N	-	12,266 29
Revere, . .	35,210 63	16,837 78	26,431 96N	2,761 41	81,241 78
Saugus, . .	-	5,684 56	-	876 28	6,560 84
Somerville, . .	127,505 74	62,170 94	89,939 26N	9,693 89	289,309 83
Stoneham, . .	11,488 42	5,368 97	7,263 45N	746 73	24,867 57
Swampscott, . .	13,764 93	8,154 02	-	1,624 15	23,543 10
Wakefield, . .	-	8,759 73	13,847 34N	1,533 09	24,140 16
Waltham, . .	-	20,959 06	36,630 74S	3,680 39	61,270 19
Watertown, . .	38,534 77	17,134 15	27,861 53S	3,195 66	86,726 11
Wellesley, . .	-	8,450 67	18,583 73S	1,789 62	28,824 02
Weston, . .	-	3,570 45	-	595 68	4,166 13
Westwood, . .	-	1,469 09	-	297 59	1,766 68
Weymouth, . .	-	9,184 66	-	1,538 89	10,723 55
Winchester, . .	-	10,105 02	15,193 51N	1,990 94	27,289 47
Winthrop, . .	17,975 50	10,492 30	15,538 04N	1,843 92	45,849 76
Woburn, . .	-	10,794 97	17,157 65N	1,863 69	29,816 31
	\$2,518,283 52	\$1,581,652 15 ¹	\$1,312,495 86 ²	\$378,150 17 ³	\$5,790,581 70

N, North System.

S, South System.

¹ Includes \$36,534.18, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.² Includes \$17,895.24, special assessments on Everett and Malden, Reading, Revere and Wellesley.³ Includes \$50,103.92, special assessments on Boston and Cambridge, and \$25,591.40, embankment interest on Boston.

Special Metropolitan District Assessments for 1920.

CITIES AND TOWNS.	Alewite Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metro-politan Sewerage.	Charles River Basin Bridge, Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington,	\$2,281 31	-	-	-	-	-	-	-	\$2,281 31
Belmont,	1,615 93	-	-	-	-	-	-	-	1,615 93
Boston,	-	\$6,240 00	-	-	-	-	\$25,051 96	\$25,591 40	56,883 36
Cambridge,	4,467 58	-	-	-	-	-	25,051 96	-	29,519 54
Everett,	-	-	-	-	-	\$1,746 67 ^{N1}	-	-	1,746 67
Malden,	-	-	-	\$1,823 90	\$2,336 93	1,746 67 ^{N1}	-	-	5,907 50
Medford,	-	-	-	2,244 80	2,876 22	-	-	-	5,121 02
Newton,	-	-	\$1,790 00	-	-	-	-	-	1,790 00
Quincy,	-	4,680 00	-	-	-	-	-	-	4,680 00
Reading,	-	-	-	-	-	7,000 00 ^{N2}	-	-	7,000 00
Revere,	-	-	-	-	-	626 67 ^{N3}	-	-	626 67
Somerville,	1,140 65	-	-	1,543 30	1,977 40	-	-	-	4,661 35
Stoneham,	-	-	-	350 75	449 41	-	-	-	800 16
Wellesley,	-	-	-	-	-	6,775 23 ^{s4}	-	-	6,775 23
Weston,	\$9,505 47 ^s	-	716 00	-	-	-	-	-	716 00
		\$10,920 00 ⁶	\$2,506 00 ⁷	\$5,962 75 ^s	\$7,639 96 ⁹	\$17,895 24	\$50,103 92	\$25,591 40	\$130,124 74

¹ Ninth assessment under chapter 512, Acts of 1911 (total assessments, 29).² Fourth assessment under chapter 159, General Acts of 1916 (total assessments, 5).³ Sixth assessment under chapter 259, Acts of 1914 (total assessments, 11).⁴ Fifth assessment under chapter 343, Acts of 1914 (total assessments, 5).⁵ Tenth assessment under chapter 529, Acts of 1907 (total assessments, 20), and

seventh assessment under chapter 458, Acts of 1911 (total assessments, 20).

⁶ Fifth assessment under chapter 300, General Acts of 1915 (total assessments, 18).⁷ Fifth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).⁸ Sixth assessment under chapter 276, General Acts of 1915 (total assessments, 10).⁹ Fifth assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1920.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Total.
Middlesex County,	-	\$1,074 00	-	\$1,074 00
Norfolk County,	\$1,560 00	-	-	1,560 00
Plymouth County,	780 00	-	-	780 00
Bay State Street Railway Company, .	4,680 00	-	-	4,680 00
Boston Elevated Railway Company, .	-	-	\$2,104 50	2,104 50
	\$7,020 00 ¹	\$1,074 00 ²	\$2,104 50 ³	\$10,198 50

¹ Fifth assessment under chapter 300, General Acts of 1915 (total assessments, 18).² Fifth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).³ Sixth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1920.

Gross water debt, April 1, 1920: —

Bonds outstanding (sinking fund),	\$41,398,000 00	
Bonds outstanding (serial),	1,328,000 00	
	<hr/>	\$42,726,000 00

a decrease for the year of \$9,000.

Sinking fund, April 1, 1920,	16,178,369 21	
	<hr/>	

an increase for the year of \$1,118,638.61.

Net water debt, April 1, 1920,	\$26,547,630 79	
--	-----------------	--

a decrease for the year of \$1,127,638.61.

Total Water Assessment for 1920.

Sinking fund requirements,	\$248,053 52	
Serial bonds,	44,000 00	
Interest: —		

One year on \$41,398,000,	\$1,393,435 00	
Six months on \$1,337,000,	26,153 75	
Six months on \$1,328,000,	26,033 75	
Interest on advances and temporary loans, estimated, 1920,	40,000 00	
	<hr/>	\$1,485,622 50

Adjustment of interest charges

in 1919,	\$5,932 84	
Accrued interest,	313 08	
	<hr/>	6,245 92

1,479,376 58

Maintenance as appropriated by Legislature,	\$815,683 52	
Less balance on hand,	68,830 10	
	<hr/>	746,853 42

Total water assessment for 1920,	\$2,518,283 52	
--	----------------	--

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1919.	Amount of Dec. 1, 1919, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1920.
\$13,000,000	July, 1935	\$6,452,660 44	\$11,921,863 15	\$1,078,136 85	\$53,683 49
4,000,000	Jan., 1938	1,709,742 58	3,487,682 20	512,317 80	19,903 73
4,000,000	July, 1939	1,523,004 44	3,296,915 85	703,084 15	25,339 30
10,000,000	Jan., 1941	3,354,980 29	7,707,209 81	2,292,790 19	71,404 21
3,500,000	Jan., 1942	1,111,079 51	2,655,539 03	844,460 97	24,543 10
2,000,000	Jan., 1943	576,991 79	1,434,754 28	565,245 72	15,361 06
2,000,000	Jan., 1944	533,225 54	1,379,491 98	620,508 02	15,795 47
650,000	Jan., 1945	190,572 98	512,943 94	137,056 06	3,273 29
1,350,000	Jan., 1946	313,548 49	878,038 66	471,961 34	10,590 97
398,000	Jan., 1949	67,316 84	212,292 02	185,707 98	3,483 70
500,000	Jan., 1950	71,422 24	234,338 56	265,661 44	4,705 20
\$41,398,000	—	\$15,904,545 14	\$33,721,069 48	\$7,676,930 52	\$248,053 52

*Computations for determining the Assessment for 1920. (See Chapter 488,
Acts of 1895, as amended in 1901, 1904 and 1906.)*

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1919.	Average Daily Con- sumption (Gallons), 1919.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington,	\$20,357,643	1,085,700	.010112	.009003	.009373
Belmont,	13,402,099	564,000	.006657	.004677	.005337
Boston,	1,529,759,278	89,652,400	.759828	.743426	.748893
Chelsea,	36,641,200	3,158,400	.018200	.026190	.023527
Everett,	40,475,700	2,886,700	.020104	.023937	.022659
Lexington,	8,966,762	389,200	.004454	.003227	.003636
Malden,	41,464,840	2,682,800	.020596	.022247	.021697
Melford,	35,178,600	1,688,500	.017473	.014002	.015159
Melrose,	20,234,675	1,057,100	.010050	.008766	.009194
Milton,	18,405,370	401,300	.009142	.003328	.005266
Nahant,	4,131,846	186,900	.002052	.001550	.001717
Newton, ¹	15,730,698	—	.007813	—	.002604
Quincy,	52,558,870	4,550,100	.026106	.037731	.033856
Revere,	24,993,750	1,780,700	.012414	.014766	.013982
Somerville,	87,392,724	6,541,500	.043408	.054244	.050632
Stoneham,	7,438,970	602,400	.003695	.004995	.004562
Swampscott,	13,952,642	570,900	.006930	.004734	.005466
Watertown,	25,544,790	2,002,900	.012688	.016609	.015302
Winthrop,	16,665,500	792,000	.008278	.006568	.007138
	\$2,013,295,957	120,593,500	1 000000	1 0000000	1 000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.
Division of Assessment for 1920.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Maintenance.	Serial Bonds.	Total Assessment.
Arlington,	\$13,866 20	\$2,325 01	\$7,000 26	\$412 41	\$23,603 88
Belmont,	7,895 43	1,323 86	3,985 96	234 83	13,440 08
Boston,	1,107,894 77	185,765 55	559,313 30	32,951 29	1,885,924 91
Chelsea,	34,805 29	5,835 96	17,571 22	1,035 19	59,247 66
Everett,	33,521 19	5,620 64	16,922 95	996 99	57,061 77
Lexington,	5,379 01	901 92	2,715 56	159 98	9,156 47
Malden,	32,098 03	5,382 02	16,204 48	954 67	54,639 20
Medford,	22,425 87	3,760 24	11,321 55	667 00	38,174 66
Melrose,	13,601 39	2,280 60	6,866 57	404 54	23,153 10
Milton,	7,790 40	1,306 25	3,932 93	231 70	13,261 28
Nahant,	2,540 09	425 91	1,282 35	75 55	4,323 90
Newton,	3,852 30	645 93	1,944 81	114 58	6,557 62
Quincy,	50,085 77	8,398 10	25,285 47	1,489 66	85,259 00
Revere,	20,684 64	3,468 28	10,442 50	615 21	35,210 63
Somerville,	74,903 80	12,559 45	37,814 68	2,227 81	127,505 74
Stoneham,	6,748 92	1,131 62	3,407 15	200 73	11,488 42
Swampscott,	8,086 27	1,355 86	4,082 30	240 50	13,764 93
Watertown,	22,637 42	3,795 71	11,428 35	673 29	38,534 77
Winthrop,	10,559 79	1,770 61	5,331 03	314 07	17,975 50
	\$1,479,376 58	\$248,053 52	\$746,853 42	\$44,000 00	\$2,518,283 52

Comparison of Total Assessments, 1919 and 1920, with Revenue from Water Rates in 1919.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1919.
	1919.	1920.	
Arlington,	\$24,320 83	\$23,603 88	\$72,067 36
Belmont,	12,596 72	13,440 08	33,047 11 ¹
Boston,	1,805,104 07	1,885,924 91	3,298,170 83 ²
Chelsea,	58,145 27	59,247 66	134,146 09
Everett,	58,298 82	57,061 77	117,225 81 ²
Lexington,	9,720 54	9,156 47	25,954 10 ³
Malden,	57,579 78	54,639 20	119,677 94 ²
Medford,	41,326 89	38,174 66	86,692 82 ⁴
Melrose,	22,670 68	23,153 10	51,379 22 ¹
Milton,	12,925 78	13,261 28	54,798 67 ³
Nahant,	4,567 76	4,323 90	8,591 43 ²
Newton,	6,210 62	6,557 62	— ⁵
Quincy,	78,083 57	85,259 00	260,414 33
Revere,	34,950 55	35,210 63	83,557 68 ¹
Somerville,	128,082 90	127,505 74	248,544 27 ²
Stoneham,	10,437 14	11,488 42	38,062 31 ³
Swampscott,	13,267 02	13,764 93	43,100 83
Watertown,	40,517 66	38,534 77	109,429 95 ¹
Winthrop,	18,639 15	17,975 50	57,586 10 ⁶
	\$2,437,445 75	\$2,518,283 52	\$4,842,446 85

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering or other municipal purposes.

³ No money received for street watering or other municipal purposes.

⁴ No money received for hydrant rentals.

⁵ Not taking water from the district.

⁶ No money received for street watering.

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1919.	Jan. 1, 1920.	Decrease.
Boston,	\$352,000 00	\$336,000 00	\$16,000 00
Somerville,	6,000 00	2,000 00	4,000 00
Chelsea,	47,051 00	27,444 00	19,607 00
Everett,	23,686 33	15,833 25	7,853 08
Malden,	14,935 08	9,087 39	5,847 69
Medford, ¹	—6,064 35	—6,769 88	705 53
Melrose,	89,811 07	90,113 86	302 79 ²
Totals,	\$527,419 13	\$473,708 62	\$53,710 51

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1920: —

Bonds outstanding (sinking fund),	\$9,485,000 00
Bonds outstanding (serial),	205,000 00
	<hr/>
	\$9,690,000 00

a decrease for the year of \$24,750.

Sinking fund, April 1, 1920, 3,958,284 24

an increase for the year of \$269,071.17.

Net parks debt, April 1, 1920, \$5,731,715 76

a decrease for the year of \$293,821.17.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1920: —

Bonds outstanding (sinking fund) (one-half),	\$2,567,500 00
Bonds outstanding (serial) (one-half),	602,500 00
Bonds outstanding (serial), 78.75 per cent (chapter 276, General Acts of 1915),	45,280 25
Bonds outstanding (serial), 78.75 per cent (chapter 300, General Acts of 1915),	212,626 00
	<hr/>
	\$3,427,906 25

an increase for the year of \$79,193.75.

Sinking fund, April 1, 1920, 1,006,040 85

an increase for the year of \$63,872.07.

Net parks, series two (boulevards), debt, April 1, 1920, . . . \$2,421,865 40

an increase for the year of \$15,321.68.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1920 is made up as follows: —

Parks sinking fund,	\$53,384 32
Parks, series two, sinking fund,	13,559 00
Nantasket sinking fund,	3,444 57
Parks, serial bonds,	20,250 00
Parks, series two, serial bonds,	32,693 75
	<hr/>

Amount carried forward, \$123,331 64

<i>Amount brought forward,</i>		\$123,331 64	
Parks interest: —			
One year on \$8,785,000,	\$301,225 00		
Six months on \$213,750,	4,170 02		
Six months on \$192,000,	3,740 00		
Interest on advances and tempo- rary loans, estimated, 1920,	20,000 00		
		\$329,135 02	
Adjustment of interest charges in 1919,		3,551 46	
			325,583 56
Parks, series two, interest: —			
One year on \$2,567,500,	\$87,737 50		
Six months on \$574,787.50,	11,513 25		
Six months on \$672,093.75,	13,613 13		
Interest on advances and tempo- rary loans, estimated, 1920,	1,000 00		
		\$113,863 88	
Adjustment of interest charges in 1919,	\$2,187 36		
Accrued interest,	1,151 05		
		3,338 41	
			110,525 47
Nantasket interest: —			
One year on \$700,000,			21,000 00
Parks maintenance as appropriated by Legislature,	\$745,477 39		
Less balance on hand,	96,327 05		
			649,150 34
Boulevards maintenance (one-half),	\$264,177 50		
Less balance on hand (one-half),	20,481 86		
			243,695 64
Nantasket maintenance,	\$70,683 28		
Less balance on hand,	2,671 94		
			68,011 34
Wellington Bridge maintenance (one-quarter),	\$4,216 75		
Less balance on hand (one-quarter),	396 77		
			3,819 98
Total parks assessment for 1920,			\$1,545,117 97

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington,	\$535 18	\$3,475 54	\$8,554 92	\$402 59	\$12,968 23
Belmont,	348 85	2,265 50	5,296 28	262 42	8,173 05
Boston,	42,151 03	273,736 79	531,076 75	31,708 44	878,673 01
Braintree,	254 01	1,649 58	4,400 54	191 09	6,495 22
Brookline,	2,543 31	16,516 73	30,585 58	1,913 22	51,558 84
Cambridge,	3,832 96	24,891 89	56,530 37	2,883 36	88,138 58
Canton,	176 67	1,147 28	2,781 23	132 89	4,238 07
Chelsea,	1,013 90	6,584 44	17,753 40	762 71	26,114 45
Cohasset,	8 06	49 14	159 13	—	216 33
Dedham,	371 34	2,411 53	5,509 24	279 34	8,571 45
Dover,	77 28	501 91	874 08	58 14	1,511 41
Everett,	1,085 22	7,047 61	17,796 37	816 37	26,745 57
Hingham,	188 12	1,221 68	2,818 01	141 52	4,369 33
Hull,	294 40	1,911 86	3,026 85	221 47	5,454 58
Lynn,	2,718 60	17,655 15	44,313 82	2,045 09	66,732 66
Malden,	1,117 64	7,258 18	19,866 49	840 75	29,083 06
Medford,	908 88	5,902 40	15,979 07	683 70	23,474 05
Melrose,	506 61	3,290 02	8,204 05	381 10	12,381 78
Milton,	529 54	3,438 90	6,669 05	398 35	11,035 84
Nahant,	117 41	762 51	1,328 09	88 32	2,296 33
Needham,	277 93	1,804 95	3,912 92	209 08	6,204 88
Newton,	2,085 13	13,541 29	28,061 07	1,568 57	45,256 06
Quincy,	1,326 74	8,616 18	21,525 35	998 06	32,466 33
Revere,	642 57	4,172 96	11,538 88	483 37	16,837 78
Saugus,	203 91	1,324 21	4,003 05	153 39	5,684 56
Somerville,	2,255 72	14,649 08	38,907 90	1,696 89	57,509 59
Stoneham,	173 76	1,128 45	3,135 88	130 72	4,568 81
Swampscott,	377 93	2,454 37	5,037 42	284 30	8,154 02
Wakefield,	356 75	2,316 77	5,817 85	268 36	8,759 73
Waltham,	856 41	5,561 69	13,896 72	644 24	20,959 06
Watertown,	743 62	4,829 17	11,001 97	559 39	17,134 15
Wellesley,	416 43	2,704 41	5,016 56	313 27	8,450 67
Weston,	138 61	900 19	1,711 38	104 27	2,854 45
Westwood,	69 25	449 71	898 04	52 09	1,469 09
Weymouth,	358 09	2,325 51	6,231 69	269 37	9,184 66
Winchester,	463 28	3,008 63	6,284 60	348 51	10,105 02
Winthrop,	429 07	2,786 48	6,953 98	322 77	10,492 30
Woburn,	433 68	2,816 34	7,218 72	326 23	10,794 97
	\$70,387 89	\$457,109 03	\$964,677 30	\$52,943 75	\$1,545,117 97

METROPOLITAN PARKS (EXCEPTING NANTASKET) AND BOULEVARDS.

Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (excepting Parks Maintenance) Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, General Acts of 1919).	Per Cent.
Arlington,	\$20,954,167	.007604129949
Belmont,	13,658,727	.004956662560
Boston,	1,650,368,499	.598907917960
Braintree,	9,945,392	.003609117612
Brookline,	99,579,927	.036136903235
Cambridge,	150,074,048	.054460888997
Canton,	6,916,966	.002510121654
Chelsea,	39,697,831	.014406082839
Dedham,	14,539,216	.005276186251
Dover,	3,026,036	.001098128643
Everett,	42,490,326	.015419460983
Hingham,	7,365,555	.002672911663
Hull,	11,526,682	.004182957395
Lynn,	106,443,504	.038627650370
Malden,	43,759,862	.015880167282
Medford,	35,585,712	.012913821789
Melrose,	19,835,595	.007198207497
Milton,	20,733,252	.007523961343
Nahant,	4,597,237	.001668307194
Needham,	10,882,037	.003949019947
Newton,	81,640,920	.029626955099
Quincy,	51,947,249	.018851316395
Revere,	25,158,868	.009129988401
Saugus,	7,983,680	.002897225177
Somerville,	88,319,796	.032050675452
Stoneham,	6,803,432	.002468920909
Swampscott,	14,797,505	.005369917637
Wakefield,	13,967,851	.005068841635
Waltham,	33,531,618	.012168404532
Watertown,	29,115,299	.010565751295
Wellesley,	16,305,003	.005916978787
Weston,	5,427,288	.001969527265
Westwood,	2,711,339	.000983927163
Weymouth,	14,020,601	.005087984264
Winchester,	18,139,162	.006582583074
Winthrop,	16,799,768	.006096525764
Woburn,	16,979,838	.006161871988
	\$2,755,629,788	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET).

Proportion of Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, Gen. Acts, 1919).	Per Cent.	Popula- tion.	Per Cent.	Average Per Cent.
Arlington, . . .	\$20,954,167	.007604129949	18,665	.011364729578	.0094844297635
Belmont, . . .	13,658,727	.004956662560	10,749	.006544842124	.0057507523420
Boston, . . .	1,650,368,499	.598907917960	747,923	.455394730273	.5271513241165
Braintree, . . .	9,945,392	.003609117612	10,580	.006441941545	.0050255295785
Brookline, . . .	99,579,927	.036136903235	37,748	.022983970647	.0235604369410
Cambridge, . . .	150,074,048	.054460888997	109,694	.066790390912	.0606256399545
Canton, . . .	6,916,966	.002510121654	5,945	.003619786624	.0030649541390
Chelsea, . . .	39,697,831	.014406082839	43,184	.026293837777	.0203499603080
Dedham, . . .	14,589,216	.005276186251	10,792	.006571023928	.0059236050895
Dover, . . .	3,026,036	.001098128643	867	.000527898234	.0008130134385
Everett, . . .	42,490,326	.015419460983	40,120	.024428232022	.0199238465025
Hingham, . . .	7,365,555	.002672911663	5,604	.003412158830	.0030425352465
Hull, . . .	11,526,682	.004182957395	1,771	.001078324998	.0026306411965
Lynn, . . .	106,443,504	.038627650370	99,148	.060369151259	.0494984008145
Malden, . . .	43,759,862	.015880167282	49,103	.029897793544	.0228889804130
Medford, . . .	35,585,712	.012913821789	39,038	.023769424767	.0183416232780
Melrose, . . .	19,835,595	.007198207497	18,204	.011084036284	.0091411218905
Milton, . . .	20,733,252	.007523961343	9,382	.005712504308	.0066182328255
Nahant, . . .	4,597,237	.001668307194	1,318	.000802502737	.0012354049655
Needham, . . .	10,882,037	.003949019947	7,012	.004269460691	.0041092403190
Newton, . . .	81,640,920	.029626955099	46,054	.028041320975	.0288341380370
Quincy, . . .	51,947,249	.018851316395	47,876	.029150698811	.0240010076030
Revere, . . .	25,158,868	.009129988401	28,823	.017549724117	.0133398562590
Saugus, . . .	7,983,680	.002897225177	10,874	.006620952020	.004750885985
Somerville, . . .	88,319,796	.032050675452	93,091	.056681170169	.0443659228105
Stoneham, . . .	6,803,432	.002468920909	7,873	.004793705651	.0036313132800
Swampscott, . . .	14,797,505	.005369917637	8,101	.004932530100	.0051512238635
Wakefield, . . .	13,967,851	.005068841635	13,025	.007930651099	.0064997463670
Waltham, . . .	33,531,618	.012168404532	30,915	.018823499326	.0154959519290
Watertown, . . .	29,115,299	.010565751295	21,457	.013064720202	.0118152357485
Wellesley, . . .	16,305,003	.00916978787	6,224	.003789663911	.0048533213490
Weston, . . .	5,427,288	.001969527265	2,282	.001389462250	.0016794947575
Westwood, . . .	2,711,339	.000983927163	1,358	.000826857903	.0009033925330
Weymouth, . . .	14,020,601	.005087984264	15,057	.009167893558	.0071279389110
Winchester, . . .	18,139,162	.006582583074	10,485	.006384098025	.0064833405495
Winthrop, . . .	16,799,768	.006096525764	15,446	.009404747553	.0077506366585
Woburn, . . .	16,979,838	.006161871988	16,574	.010091563248	.0081267176180
	\$2,755,629,788	1.000000000000	1,642,362	1.000000000000	1.000000000000

METROPOLITAN PARKS — NANTASKET.

Proportion of Sinking Fund, Interest and Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, General Acts of 1919).	Per Cent.
Arlington,	\$20,954,167	.007586337732
Belmont,	13,658,727	.004945064913
Boston,	1,650,368,499	.597506587396
Braintree,	9,945,392	.003600672964
Brookline,	99,579,927	.036052349758
Cambridge,	150,074,048	.054333460879
Canton,	6,916,966	.002504248446
Chelsea,	39,697,831	.014372375347
Cohasset,	6,462,771	.002339809714
Dedham,	14,539,216	.005263840979
Dover,	3,026,036	.001095559231
Everett,	42,490,326	.015383382379
Hingham,	7,365,555	.002666657559
Hull,	11,526,682	.004173170071
Lynn,	106,443,504	.038537269018
Malden,	43,759,862	.015843010712
Medford,	35,585,712	.012883605904
Melrose,	19,835,595	.007181365062
Milton,	20,733,252	.007506356705
Nahant,	4,597,237	.001664403673
Needham,	10,882,037	.003939779992
Newton,	81,640,920	.029557633662
Quincy,	51,947,249	.018807207901
Revere,	25,158,868	.009108625965
Saugus,	7,983,680	.002890446221
Somerville,	88,319,796	.031975682970
Stoneham,	6,803,432	.002463144103
Swampscott,	14,797,505	.005357353052
Wakefield,	13,967,851	.005056981511
Waltham,	33,531,618	.012139932781
Watertown,	29,115,299	.010541029447
Wellesley,	16,305,003	.005903134182
Weston,	5,427,288	.001964918946
Westwood,	2,711,339	.000981624960
Weymouth,	14,020,601	.005076079349
Winchester,	18,139,162	.006567181082
Winthrop,	16,799,768	.006082261054
Woburn,	16,979,838	.006147454380
	\$2,762,092,559	1.000000000000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1919.	Amount of Dec. 1, 1919, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1920.
\$125,000	Jan., 1928	\$63,841 15	\$87,640 21	\$37,359 79	\$4,048 80
1,300,000	Jan., 1934	657,974 08	1,145,548 78	154,451 22	8,420 54
2,000,000	Jan., 1936	926,075 48	1,745,226 81	254,773 19	11,636 36
1,400,000	Jan., 1937	620,527 98	1,216,654 32	183,345 63	7,710 36
1,000,000	July, 1938	420,099 02	874,093 75	125,906 25	4,891 50
505,000	July, 1939	202,048 03	437,382 51	67,617 49	2,434 06
650,000	Jan., 1941	277,405 63	637,268 54	12,731 46	396 49
125,000	Jan., 1943	37,288 30	92,721 50	32,278 50	877 19
340,000	July, 1943	104,575 59	265,239 61	74,760 39	2,031 68
300,000	Jan., 1944	80,720 76	208,830 28	91,169 72	2,320 78
370,000	Jan., 1945	88,978 48	239,493 40	130,506 00	3,116 87
300,000	Jan., 1946	70,419 73	197,198 35	102,801 65	2,306 90
300,000	Jan., 1947	60,953 14	177,584 62	122,415 38	2,584 62
70,000	Jan., 1949	11,916 40	37,579 84	32,420 16	608 17
\$8,785,000	—	\$3,622,823 82	\$7,362,462 52	\$1,422,537 48	\$53,384 32

Nantasket.

\$600,000	July, 1939	\$241,544 61	\$522,882 42	\$77,117 58	\$2,776 04
100,000	Jan., 1941	34,185 94	78,533 46	21,466 54	668 53
\$700,000	—	\$275,730 55	\$601,415 88	\$98,584 12	\$3,444 57

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1919.	Amount of Dec. 1, 1919, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1920.
\$250,000	Jan., 1934	\$133,191 38	\$231,889 41	\$18,110 59	\$987 00
300,000	Jan., 1936	146,538 75	276,153 21	23,841 79	1,089 00
500,000	Jan., 1937	233,999 15	458,796 51	41,203 49	1,753 00
50,000	July, 1938	22,209 77	46,211 53	3,788 47	147 00
250,000	July, 1939	106,497 41	230,539 70	19,460 30	701 00
225,000	Jan., 1940	79,750 48	176,092 22	48,907 78	1,636 00
162,500	July, 1940	63,445 38	142,891 71	19,608 29	656 00
55,000	Jan., 1943	17,084 94	42,483 60	12,516 40	340 00
150,000	July, 1943	43,105 30	109,329 84	40,670 16	1,105 00
150,000	Jan., 1944	41,695 99	107,870 45	42,129 55	1,072 00
150,000	Jan., 1945	36,890 15	99,293 03	50,706 92	1,211 00
150,000	Jan., 1946	31,526 63	88,284 90	61,715 10	1,385 00
150,000	Jan., 1947	30,933 33	90,123 06	59,876 94	1,264 00
25,000	Jan., 1949	3,991 20	12,586 74	12,413 26	233 00
\$2,567,500	—	\$990,859 86	\$2,112,550 96	\$454,949 04	\$13,559 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington,	\$405 94	\$103 11	\$26 13	\$535 18
Belmont,	264 61	67 21	17 03	348 85
Boston,	31,972 29	8,120 59	2,058 15	42,151 03
Braintree,	192 67	48 94	12 40	254 01
Brookline,	1,929 14	489 98	124 19	2,543 31
Cambridge,	2,907 36	738 44	187 16	3,832 96
Canton,	134 00	34 04	8 63	176 67
Chelsea,	769 06	195 33	49 51	1,013 90
Cohasset,	—	—	8 06	8 06
Dedham,	281 67	71 54	18 13	371 34
Dover,	58 62	14 89	3 77	77 28
Everett,	823 16	209 07	52 99	1,085 22
Hingham,	142 69	36 24	9 19	188 12
Hull,	223 30	56 72	14 38	294 40
Lynn,	2,062 11	523 75	132 74	2,718 60
Malden,	847 75	215 32	54 57	1,117 64
Medford,	689 40	175 10	44 38	908 88
Melrose,	384 27	97 60	24 74	506 61
Milton,	401 66	102 02	25 86	529 54
Nahant,	89 06	22 62	5 73	117 41
Needham,	210 82	53 54	13 57	277 93
Newton,	1,581 61	401 71	101 81	2,085 13
Quincy,	1,006 36	255 60	64 78	1,326 74
Revere,	487 40	123 79	31 38	642 57
Saugus,	154 67	39 28	9 96	203 91
Somerville,	1,711 00	434 58	110 14	2,255 72
Stoneham,	131 80	33 48	8 48	173 76
Swampscott,	286 67	72 81	18 45	377 93
Wakefield,	270 60	68 73	17 42	356 75
Waltham,	649 60	164 99	41 82	856 41
Watertown,	564 05	143 26	36 31	743 62
Wellesley,	315 87	80 23	20 33	416 43
Weston,	105 14	26 70	6 77	138 61
Westwood,	52 53	13 34	3 38	69 25
Weymouth,	271 62	68 99	17 48	358 09
Winchester,	351 41	89 25	22 62	463 28
Winthrop,	325 46	82 66	20 95	429 07
Woburn,	328 95	83 55	21 18	433 68
	\$53,384 32	\$13,559 00	\$3,444 57	\$70,387 89

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$2,475 78	\$840 45	\$159 31	\$3,475 54
Belmont, . . .	1,613 81	547 84	103 85	2,265 50
Boston, . . .	194,994 57	66,194 58	12,547 64	273,736 79
Braintree, . . .	1,175 07	398 90	75 61	1,649 58
Brookline, . . .	11,765 58	3,994 05	757 10	16,516 73
Cambridge, . . .	17,731 57	6,019 32	1,141 00	24,891 89
Canton, . . .	817 26	277 43	52 59	1,147 28
Chelsea, . . .	4,690 38	1,592 24	301 82	6,584 44
Cohasset, . . .	—	—	49 14	49 14
Dedham, . . .	1,717 84	583 15	110 54	2,411 53
Dover, . . .	357 53	121 37	23 01	501 91
Everett, . . .	5,020 32	1,704 24	323 05	7,047 61
Hingham, . . .	870 26	295 42	56 00	1,221 68
Hull, . . .	1,361 90	462 32	87 64	1,911 86
Lynn, . . .	12,576 53	4,269 34	809 28	17,655 15
Malden, . . .	5,170 32	1,755 16	332 70	7,258 18
Medford, . . .	4,204 53	1,427 31	270 56	5,902 40
Melrose, . . .	2,343 62	795 59	150 81	3,290 02
Milton, . . .	2,449 68	831 59	157 63	3,438 90
Nahant, . . .	543 17	184 39	34 95	762 51
Needham, . . .	1,285 74	436 47	82 74	1,804 95
Newton, . . .	9,646 05	3,274 53	620 71	13,541 29
Quincy, . . .	6,137 68	2,083 55	394 95	8,616 18
Revere, . . .	2,972 58	1,009 10	191 28	4,172 96
Saugus, . . .	943 29	320 22	60 70	1,324 21
Somerville, . . .	10,435 17	3,542 42	671 49	14,649 08
Stoneham, . . .	803 84	272 88	51 73	1,128 45
Swampscott, . . .	1,748 36	593 51	112 50	2,454 37
Wakefield, . . .	1,650 33	560 24	106 20	2,316 77
Waltham, . . .	3,961 83	1,344 92	254 94	5,561 69
Watertown, . . .	3,440 03	1,167 78	221 36	4,829 17
Wellesley, . . .	1,926 47	653 98	123 96	2,704 41
Weston, . . .	641 25	217 68	41 26	900 19
Westwood, . . .	320 35	108 75	20 61	449 71
Weymouth, . . .	1,656 56	562 35	106 60	2,325 51
Winchester, . . .	2,143 18	727 54	137 91	3,008 63
Winthrop, . . .	1,984 93	673 82	127 73	2,786 48
Woburn, . . .	2,006 20	681 04	129 10	2,816 34
	\$325,583 56	\$110,525 47	\$21,000 00	\$457,109 03

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington,	\$6,156 82	\$29 05	\$515 96	\$1,553 09	\$8,554 92
Belmont,	3,733 10	18 94	336 32	1,207 92	5,296 28
Boston,	342,200 46	2,287 82	40,637 22	145,951 25	531,076 75
Braintree,	3,262 33	13 79	244 89	879 53	4,400 54
Brookline,	19,189 17	138 04	2,451 97	8,506 40	30,585 58
Cambridge,	39,355 16	208 04	3,695 29	13,271 85	56,530 37
Canton,	1,989 62	9 59	170 32	611 70	2,781 23
Chelsea,	13,210 18	55 03	977 49	3,510 70	17,753 40
Cohasset,	—	—	159 13	—	159 13
Dedham,	3,845 31	20 15	358 00	1,285 78	5,509 24
Dover,	527 77	4 19	74 51	267 61	874 08
Everett,	12,933 57	58 90	1,046 25	3,757 65	17,796 37
Hingham,	1,975 06	10 21	181 36	651 38	2,818 01
Hull,	1,707 68	15 98	283 82	1,019 37	3,026 85
Lynn,	32,131 90	147 56	2,620 97	9,413 39	44,313 82
Malden,	14,858 39	60 66	1,077 51	3,869 93	19,866 49
Medford,	11,906 47	49 33	876 23	3,147 04	15,979 07
Melrose,	5,933 96	27 50	488 42	1,754 17	8,204 05
Milton,	4,296 23	28 74	510 52	1,833 56	6,669 05
Nahant,	801 96	6 37	113 20	406 56	1,328 09
Needham,	2,667 52	15 09	267 95	962 36	3,912 92
Newton,	18,717 69	113 17	2,010 25	7,219 96	28,061 07
Quincy,	15,580 26	72 01	1,279 10	4,593 98	21,525 35
Revere,	8,659 57	34 88	619 49	2,224 94	11,538 88
Saugus,	3,089 36	11 07	196 58	706 04	4,003 05
Somerville,	28,800 15	122 43	2,174 71	7,810 61	38,907 90
Stoneham,	2,357 27	9 43	167 52	601 66	3,135 88
Swampscott,	3,343 92	20 51	364 36	1,308 63	5,037 42
Wakefield,	4,219 31	19 36	343 93	1,235 25	5,817 85
Waltham,	10,059 20	46 48	825 65	2,965 39	13,896 72
Watertown,	7,669 87	40 36	716 91	2,574 83	11,001 97
Wellesley,	3,150 54	22 60	401 48	1,441 94	5,016 56
Weston,	1,090 25	7 52	133 64	479 97	1,711 38
Westwood,	587 74	3 76	66 76	239 78	898 04
Weymouth,	4,627 10	19 44	345 23	1,239 92	6,231 69
Winchester,	4,208 66	25 15	446 64	1,604 15	6,284 60
Winthrop,	5,031 33	23 29	413 66	1,485 70	6,953 98
Woburn,	5,275 46	23 54	418 10	1,501 62	7,218 72
	\$649,150 34	\$3,819 98	\$68,011 34	\$243,695 64	\$964,677 30

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$153 98	\$248 61	\$402 59
Belmont,	100 37	162 05	262 42
Boston,	12,127 89	19,580 55	31,708 44
Braintree,	73 09	118 00	191 09
Brookline,	731 77	1,181 45	1,913 22
Cambridge,	1,102 83	1,780 53	2,883 36
Canton,	50 83	82 06	132 89
Chelsea,	291 72	470 99	762 71
Dedham,	106 84	172 50	279 34
Dover,	22 24	35 90	58 14
Everett,	312 25	504 12	816 37
Hingham,	54 13	87 39	141 52
Hull,	84 71	136 76	221 47
Lynn,	782 21	1,262 88	2,045 09
Malden,	321 57	519 18	840 75
Medford,	261 50	422 20	683 70
Melrose,	145 76	235 34	381 10
Milton,	152 36	245 99	398 35
Nahant,	33 78	54 54	88 32
Needham,	79 97	129 11	209 08
Newton,	599 95	968 62	1,568 57
Quincy,	381 74	616 32	998 06
Revere,	184 88	298 49	483 37
Saugus,	58 67	94 72	153 39
Somerville,	649 03	1,047 86	1,696 89
Stoneham,	50 00	80 72	130 72
Swampscott,	108 74	175 56	284 30
Wakefield,	102 64	165 72	268 36
Waltham,	246 41	397 83	644 24
Watertown,	213 96	345 43	559 39
Wellesley,	119 82	193 45	313 27
Weston,	39 88	64 39	104 27
Westwood,	19 92	32 17	52 09
Weymouth,	103 03	166 34	269 37
Winchester,	133 30	215 21	348 51
Winthrop,	123 45	199 32	322 77
Woburn,	124 78	201 45	326 23
	\$20,250 00	\$32,693 75	\$52,943 75

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, $57\frac{1}{2}$ per cent,	.	.	.	.	\$201,250 00	
Previously assessed,	.	.	.	.	46,000 00	
Outstanding,	.	.	.	.	\$155,250 00	
Serial bonds due Jan. 1, 1921,	.	.	.	.	.	\$11,500 00
Interest: —						
One year on \$155,250,	.	.	.	.	\$6,210 00	
Six months on \$11,500,	.	.	.	.	230 00	
						6,440 00
						\$17,940 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston,	20	\$4,000 00	\$2,240 00	\$6,240 00
City of Quincy,	15	3,000 00	1,680 00	4,680 00
County of Norfolk,	5	1,000 00	560 00	1,560 00
County of Plymouth,	$21\frac{1}{2}$	500 00	280 00	780 00
Bay State Street Railway Company, .	15	3,000 00	1,680 00	4,680 00
	$57\frac{1}{2}$	\$11,500 00	\$6,440 00	\$17,940 00

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 368, Special Acts of 1915.]

Bonds issued, 50 per cent,	\$25,000 00	
Previously assessed,	12,000 00	
Outstanding,	\$13,000 00	
Serial bonds due Jan. 1, 1921,		\$3,000 00
Interest: —		
One year on \$13,000,	\$520 00	
Six months on \$3,000,	60 00	
		580 00
		\$3,580 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton,	25	\$1,500 00	\$290 00	\$1,790 00
Town of Weston,	10	600 00	116 00	716 00
County of Middlesex,	15	900 00	174 00	1,074 00
	50	\$3,000 00	\$580 00	\$3,580 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued, $57\frac{1}{2}$ per cent,	\$66,125 00	
Previously assessed,	33,062 50	
Outstanding,	\$33,062 50	
Serial bonds due Jan. 1, 1921,		\$6,612 50
Interest:—		
One year on \$33,062.50,	\$1,322 50	
Six months on \$6,612.50,	132 25	
		1,454 75
		\$8,067 25

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden,	13	\$1,495 00	\$328 90	\$1,823 90
Medford,	16	1,840 00	404 80	2,244 80
Somerville,	11	1,265 00	278 30	1,543 30
Stoneham,	$2\frac{1}{2}$	287 50	63 25	350 75
Boston Elevated Railway Company,	15	1,725 00	379 50	2,104 50
	$57\frac{1}{2}$	\$6,612 50	\$1,454 75	\$8,067 25

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden,	15.2941	\$2,336 93
Medford,	18.8235	2,876 22
Somerville,	12.9412	1,977 40
Stoneham,	2.9412	449 41
	50.0000	\$7,639 96

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907 and Chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent).
Arlington,	\$1,636 79	\$644 52	\$2,281 31	24
Belmont,	1,159 39	456 54	1,615 93	17
Cambridge,	3,205 38	1,262 20	4,467 58	47
Somerville,	818 39	322 26	1,140 65	12
	\$6,819 95	\$2,685 52	\$9,505 47	100

¹ This table includes the tenth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the seventh assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1920: —

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	781,000 00	
	<hr/>	\$7,344,000 00

a decrease for the year of \$26,500.

Sinking fund April 1, 1920, 2,991,446 42

an increase for the year of \$269,748.56.

Net sewerage, north system, debt, April 1, 1920, \$4,352,553 58

a decrease for the year of \$296,248.56.

Assessments, North System.

Sinking fund requirements,	\$140,135 69
Serial bonds,	24,000 00

Interest: —

One year on \$7,299,000, \$231,895 00

Four months on \$14,000, 186 67

Interest on advances and temporary loans, estimated, 1920, 3,000 00

\$235,081 67

Adjustment of interest charges in 1919, 255 65

234,826 02

Maintenance as appropriated by Legislature, \$292,576 56

Less balance on hand, 44,219 37

248,357 19

Total north metropolitan sewerage assessment, \$647,318 90

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued,	\$62,000 00
Previously assessed,	20,000 00

Outstanding, \$42,000 00

Assessment for 1920 is made up as follows: —

Serial bonds due Jan. 1, 1921, 2,000 00

Interest: —

One year on \$42,000, \$1,470 00

Four months on \$2,000, 23 34

1,493 34

\$3,493 34

Everett and Malden one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued,	\$5,500 00	
Previously assessed,	2,500 00	
	<hr/>	
Outstanding,	\$3,000 00	
Assessment for 1920 is made up as follows: —		
Serial bond due Jan. 1, 1921,	\$500 00	
Interest: —		
One year on \$3,000,	\$120 00	
Four months on \$500,	6 67	
	<hr/>	
	126 67	
	<hr/>	
		\$626 67

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1920: —		
Bonds outstanding (sinking fund),	\$8,877,912 00	
Bonds outstanding (serial),	882,000 00	
	<hr/>	
		\$9,759,912 00

an increase for the year of \$204,000.

Sinking fund April 1, 1920,	1,776,159 95
	<hr/>

an increase for the year of \$178,133.70.

Net sewerage, south system, debt, April 1, 1920,	\$7,983,752 05
--	----------------

an increase for the year of \$25,866.30.

Assessments, South System.

Sinking fund requirements,	\$115,396 83	
Serial bonds,	27,000 00	
Interest: —		
One year on \$9,534,912,	\$328,107 36	
Six months on \$225,000,	5,062 50	
Interest on advances and temporary loans, estimated, 1920,	5,000 00	
	<hr/>	
	\$338,169 86	
Adjustment of interest charges in 1919,	\$39 79	
Accrued interest,	506 26	
	<hr/>	
	546 05	
	<hr/>	
		337,623 81
Maintenance as appropriated by Legislature,	\$182,603 02	
Less balance on hand,	15,341 94	
	<hr/>	
		167,261 08
	<hr/>	
Total south metropolitan sewerage assessment,		\$647,281 72

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington,	\$4,456 31	\$763 20	\$7,467 47	\$6,258 60	\$18,945 58
Belmont,	2,900 81	496 80	4,860 90	3,402 49	11,661 00
Boston,	19,745 12	3,381 60	33,086 99	44,331 76	100,545 47
Cambridge,	31,866 85	5,457 60	53,399 44	45,821 90	136,545 79
Chelsea,	8,436 17	1,444 80	14,136 53	18,279 09	42,296 59
Everett,	9,024 74	1,545 60	15,122 80	15,870 02	41,563 16
Lexington,	1,261 22	216 00	2,113 43	1,663 99	5,254 64
Malden,	9,291 00	1,591 20	15,568 97	20,588 81	47,039 98
Medford,	7,553 31	1,293 60	12,657 12	12,840 07	34,344 10
Melrose,	4,218 08	722 40	7,068 26	7,103 02	19,111 76
Reading, ¹	1,849 79	316 80	3,099 70	—	5,266 29
Revere,	5,339 17	914 40	8,946 87	10,604 85	25,805 29
Somerville,	18,750 16	3,211 20	31,419 72	36,558 18	89,939 26
Stoneham,	1,443 40	247 20	2,418 71	3,154 14	7,263 45
Wakefield,	2,970 88	508 80	4,978 31	5,389 35	13,847 34
Winchester,	3,853 73	660 00	6,457 71	4,222 07	15,193 51
Winthrop,	3,573 46	612 00	5,988 06	5,364 52	15,538 04
Woburn,	3,601 49	616 80	6,035 03	6,904 33	17,157 65
	\$140,135 69	\$24,000 00	\$234,826 02	\$248,357 19	\$647,318 90 ²

¹ Reading is also assessed \$7,000 for sinking fund requirements in accordance with section 5, chapter 159, General Acts of 1916.

² Exclusive of \$4,120.01, special assessments on Everett, Malden and Revere, which are included on page 6.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1919.	Amount of Dec. 1, 1919, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1920.
\$5,330,000 (3,331,250)	Jan., 1930 Sunk.	\$2,661,292 02	\$3,954,539 90	\$4,706,710 10	\$176,501 63	\$123,579 27
265,000 (155,652)	Jan., 1930 Sunk.	121,206 75	180,106 85	240,545 04	9,020 43	6,315 73
200,000 (117,473)	Jan., 1930 Sunk.	91,476 79	135,929 69	181,543 42	8,396 37	5,878 79
250,000 (60,417)	July, 1943 Sunk.	29,959 69	75,988 06	234,428 94	3,907 14	1,602 69
50,000 (12,083)	Jan., 1943 Sunk.	6,072 77	15,100 61	46,982 39	783 03	327 62
55,000 (13,292)	July, 1943 Sunk.	8,663 58	21,973 81	46,318 19	771 96	316 65
300,000 (42,500)	Jan., 1949 Sunk.	20,984 30	66,176 59	276,323 41	4,605 39	1,519 34
113,000 (16,008)	Jan., 1949 Sunk.	6,559 18	20,685 18	108,322 82	1,805 38	595 60
\$6,563,000 (3,748,675)	- Sunk.	\$2,946,215 08	\$4,470,500 69	\$5,841,174 31	\$205,791 33	\$140,135 69

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1920.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$	$\frac{3}{8}$	$\frac{3}{80}$
265,000	1930	$\frac{70}{240} + \frac{1}{8}$	$\frac{3}{8}$	$\frac{3}{80}$
200,000	1930	$\frac{40}{240} + \frac{1}{8}$	$\frac{111}{240}$	$\frac{111}{2400}$
300,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{1}{60}$	$\frac{3}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{1}{60}$	$\frac{3}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
300,000	1949	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
113,000	1949	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contributions on the Basis of the Valuations of 1919 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1919, Chapter 343.	Proportion for Interest and Sinking Funds (Per Cent.).	Population, Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent.).
Arlington,	\$20,954,167	3.18	14,889	2.52
Belmont,	13,658,727	2.07	8,081	1.37
Boston: —				
Charlestown, }	92,960,800	14.09	105,281	17.85
East Boston, }				
Cambridge,	150,074,048	22.74	108,822	18.45
Chelsea,	39,697,831	6.02	43,426	7.36
Everett,	42,490,326	6.44	37,718	6.39
Lexington,	5,944,700 ¹	0.90	3,940 ²	0.67
Malden,	43,759,862	6.63	48,907	8.29
Medford,	35,585,712	5.39	30,509	5.17
Melrose,	19,835,595	3.01	16,880	2.86
Reading,	8,690,009	1.32	—	—
Revere,	25,158,868	3.81	25,178	4.27
Somerville,	88,319,796	13.38	86,854	14.72
Stoneham,	6,803,432	1.03	7,489	1.27
Wakefield,	13,967,851	2.12	12,781	2.17
Winchester,	18,139,162	2.75	10,005	1.70
Winthrop,	16,799,768	2.55	12,758	2.16
Woburn,	16,979,838	2.57	16,410	2.78
	\$659,820,492	100.00	589,928	100.00

¹ 66.67 per cent of the town valuation, derived from figures certified by the board of assessors.

² Population of Lexington sewerage district, certified by the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Mainte- nance.	Total.
Boston,	\$54,894 27	\$12,843 90	\$160,607 65	\$92,411 75	\$320,757 57
Brookline,	17,378 76	4,066 20	50,846 15	13,648 51	85,939 62
Dedham,	2,423 34	567 00	7,090 10	4,499 32	14,579 76
Milton,	3,611 92	845 10	10,567 62	3,512 48	18,537 12
Newton,	14,251 51	3,334 50	41,696 54	17,579 14	76,861 69
Quincy,	9,070 19	2,122 20	26,537 23	16,575 57	54,305 19
Waltham,	5,850 62	1,368 90	17,117 53	12,293 69	36,630 74
Watertown,	5,077 46	1,188 00	14,855 45	6,740 62	27,861 53
Wellesley, ¹	2,838 76	664 20	8,305 54	—	11,808 50
	\$115,396 83	\$27,000 00	\$337,623 81	\$167,261 08	\$647,281 72

¹ Wellesley is also assessed \$6,775 23 for sinking fund requirements in accordance with section 5, chapter 343, Acts of 1914.

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1919.	Amount of Dec. 1, 1919, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1920.
\$800,000 (500,000)	Jan., 1930 Sunk.	\$401,015 49	\$595,887 91	\$704,112 09	\$26,404 20	\$18,487 14
839,000 (384,542)	Mar., 1935 Sunk.	257,333 02	466,123 14	757,418 86	25,247 29	14,501 40
65,000 (27,625)	Mar., 1936 Sunk.	17,863 93	33,665 30	58,959 70	1,965 32	1,084 99
1,024,912 (333,096)	July, 1939 Sunk.	195,152 36	422,455 04	936,552 96	31,218 43	15,003 91
3,586,000 (1,045,917)	July, 1940 Sunk.	589,930 43	1,328,641 56	3,303,275 44	110,109 18	50,864 74
996,000 (240,700)	Jan., 1943 Sunk.	121,398 82	301,871 67	934,828 33	15,580 47	6,518 88
392,000 (88,200)	July, 1944 Sunk.	41,272 61	108,910 64	371,289 36	6,188 15	2,439 79
175,000 (33,542)	Jan., 1946 Sunk.	22,257 78	62,329 08	146,212 92	2,436 88	905 36
1,000,000 (191,667)	Jan., 1946 Sunk.	103,133 55	288,807 78	902,859 22	15,047 65	5,590 62
\$8,877,912 (2,845,289)	— Sunk.	\$1,749,357 99	\$3,608,692 12	\$8,115,508 88	\$234,197 57	\$115,396 83

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1920.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3}$	$\frac{3}{8}$	$\frac{3}{80}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{5}{30}$	$\frac{5}{30} + \frac{3}{8}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{8}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$	$\frac{9}{30} + \frac{3}{8}$	$\frac{1}{30}$
3,586,000	1940	$\frac{1}{8} + \frac{1}{6}$	$\frac{10}{30} + \frac{3}{8}$	$\frac{1}{30}$
996,000	1943	$\frac{1}{8} + \frac{7}{30}$	$\frac{3}{30} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{6}{30}$	$\frac{4}{30} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
175,000	1946	$\frac{1}{8} + \frac{4}{30}$	$\frac{6}{30} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
1,000,000	1946	$\frac{1}{8} + \frac{4}{30}$	$\frac{6}{30} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1919 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1919, Chapter 343.	Proportion for Interest and Sinking Funds (Per Cent).	Population, Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent).
Waltham,	\$33,531,618	5.07	30,154	7.35
Watertown,	29,115,299	4.40	16,515	4.03
Newton,	81,640,920	12.35	43,113	10.51
Boston,	314,539,900	47.57	226,645	55.25
Brighton,	\$59,700,800		34,782	
Back Bay,	68,956,700		23,127	
Roxbury,	47,922,600		51,558	
West Roxbury,	42,503,400		37,196	
Dorchester,	75,651,500		62,002	
Hyde Park,	19,804,900		17,950	
Brookline,	99,579,927	15.06	33,490	8.16
Dedham,	13,878,200 ¹	2.10	11,043	2.69
Milton,	20,733,252	3.13	8,600	2.10
Quincy,	51,947,249	7.86	40,674	9.91
Wellesley,	16,305,003	2.46		
	\$661,271,368	100.00	410,234	100.00

¹ 95.45 per cent of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1919 and 1920.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1919.	1920.	1919.	1920.
Arlington, . .	\$13,287 20	\$15,249 54	\$18,507 75	\$18,945 58
Belmont, . .	7,990 12	9,788 98	11,366 29	11,661 00
Boston, . .	892,611 17	884,913 01	396,049 17	421,303 04
Braintree, . .	5,690 11	6,495 22	—	—
Brookline, . .	74,364 91	51,558 84	80,153 13	85,939 62
Cambridge, . .	83,345 90	92,606 16	133,430 27	136,545 79
Canton, . .	4,091 22	4,238 07	—	—
Chelsea, . .	22,191 90	26,114 45	41,560 71	42,296 59
Cohasset, . .	376 46	216 33	—	—
Dedham, . .	9,108 75	8,571 45	13,495 03	14,579 76
Dover, . .	3,379 20	1,511 41	—	—
Everett, . .	22,111 07	26,745 57	42,504 33	43,309 83
Hingham, . .	5,189 58	4,369 33	—	—
Hull, . .	4,010 41	5,454 58	—	—
Lexington, . .	—	—	5,129 19	5,254 64
Lynn, . .	59,465 56	66,732 66	—	—
Malden, . .	34,345 16	33,243 89	48,017 81	48,786 65
Medford, . .	24,343 90	28,595 07	33,634 25	34,344 10
Melrose, . .	12,182 89	12,381 78	18,714 38	19,111 76
Milton, . .	17,589 25	11,035 84	17,262 17	18,537 12
Nahant, . .	6,840 13	2,296 33	—	—
Needham, . .	5,139 68	6,204 88	—	—
Newton, . .	49,947 73	47,046 06	71,432 96	76,861 69
Quincy, . .	29,455 74	37,146 33	50,273 57	54,305 19
Reading, . .	—	—	12,046 99	12,266 29
Revere, . .	14,322 69	16,837 78	25,972 28	26,431 96
Saugus, . .	5,073 60	5,684 56	—	—
Somerville, . .	55,081 40	62,170 94	88,244 86	89,939 26
Stoneham, . .	4,776 26	5,368 97	7,137 93	7,263 45
Swampscott, . .	9,190 91	8,154 02	—	—
Wakefield, . .	7,780 55	8,759 73	13,573 05	13,847 34
Waltham, . .	20,686 68	20,959 06	33,858 76	36,630 74
Watertown, . .	12,306 87	17,134 15	25,876 30	27,861 53
Wellesley, . .	10,006 31	8,450 67	17,877 13	18,583 73
Weston, . .	6,176 42	3,570 45	—	—
Westwood, . .	2,340 65	1,469 09	—	—
Weymouth, . .	7,654 61	9,184 66	—	—
Winchester, . .	9,824 29	10,105 02	14,797 67	15,193 51
Winthrop, . .	10,218 07	10,492 30	15,191 94	15,538 04
Woburn, . .	9,113 73	10,794 97	16,830 49	17,157 65
	\$1,571,611 08	\$1,581,652 15	\$1,252,938 41	\$1,312,495 86

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1920: —

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	293,000 00	
	<hr/>	\$4,418,000 00

a decrease for the year of \$10,000.

Sinking fund April 1, 1920,	1,125,513 33	
	<hr/>	

an increase for the year of \$89,180.32.

Net Charles River Basin debt, April 1, 1920,	\$3,292,486 67	
--	----------------	--

a decrease for the year of \$99,180.32.

TOTAL CHARLES RIVER BASIN ASSESSMENT FOR 1920.

District.

Serial bonds,	\$10,000 00	
-------------------------	-------------	--

Interest: —

One year on \$1,125,000,	\$142,250 00	
Six months on \$303,000,	5,470 00	
Six months on \$293,000,	5,290 00	
Interest on advances and temporary loans, estimated, 1920,	5,000 00	
	<hr/>	\$158,010 00

Adjustment of interest charges

in 1919, \$1,009 13

Less interest on bridge, 41,381 82

42,390 95

\$115,619 05

Maintenance as appropriated by Legislature,	\$199,731 66	
---	--------------	--

Less balance on hand,	22,895 86	
---------------------------------	-----------	--

\$176,835 80

Total Charles River Basin district assessments,	\$302,454 85	
---	--------------	--

Charles River Bridge.

Sinking fund,	\$8,722 10	
Interest,	41,381 82	

\$50,103 92

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN, SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1919.	Amount of Dec. 1, 1919, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Sinking Fund Require- ments for 1920.
\$177,272 73	Jan., 1944	\$190,859 32	\$493,766 48	-	-
283,636 36	Jan., 1945	327,385 66	881,187 31	-	-
425,454 55	Jan., 1946	317,060 02	887,872 09	-	-
815,454 55	Jan., 1947	408,860 41	1,191,199 02	-	-
283,636 36	Jan., 1948	100,139 05	303,538 00	-	-
602,727 28	Jan., 1949	126,044 97	397,498 48	-	-
336,818 17	Jan., 1950	16,230 76	53,253 62	-	-
\$2,925,000 00	-	\$1,486,580 19 ¹	\$4,208,315 00	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$24,586 99	\$63,608 27	\$9,119 00	\$232 13
116,363 64	Jan., 1945	40,175 06	108,134 70	8,228 94	196 53
174,545 45	Jan., 1946	46,897 84	131,329 34	43,216 11	969 78
334,545 45	Jan., 1947	73,674 90	214,648 97	119,896 48	2,531 44
116,363 64	Jan., 1948	21,913 22	66,422 59	49,941 05	993 33
247,272 72	Jan., 1949	38,865 94	122,568 57	124,704 15	2,339 33
138,181 83	Jan., 1950	16,998 70	55,773 25	82,408 58	1,459 56
\$1,200,000 00	-	\$263,112 65	\$762,485 69	\$437,514 31	\$8,722 10

¹ Includes \$641,742.48 balance of cost of embankment which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportion of Serial Bonds, Interest and Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, General Acts of 1919).	Per Cent.
Arlington,	\$20,954,167	.007604129949
Belmont,	13,658,727	.004956662560
Boston,	1,650,368,499	.598907917960
Braintree,	9,945,392	.003609117612
Brookline,	99,579,927	.036136903235
Cambridge,	150,074,048	.054460888997
Canton,	6,916,966	.002510121654
Chelsea,	39,697,831	.014406082839
Dedham,	14,539,216	.005276186251
Dover,	3,026,036	.001098128643
Everett,	42,490,326	.015419460983
Hingham,	7,365,555	.002672911663
Hull,	11,526,682	.004182957395
Lynn,	106,443,504	.038627650370
Malden,	43,759,862	.015880167282
Medford,	35,585,712	.012913821789
Melrose,	19,835,595	.007198207497
Milton,	20,733,252	.007523961343
Nahant,	4,597,237	.001668307194
Needham,	10,882,037	.003949019947
Newton,	81,640,920	.029626955099
Quincy,	51,947,249	.018851316395
Revere,	25,158,868	.009129988401
Saugus,	7,983,680	.002897225177
Somerville,	88,319,796	.032050675452
Stoneham,	6,803,432	.002468920909
Swampscott,	14,797,505	.005369917637
Wakefield,	13,967,851	.005068841635
Waltham,	33,531,618	.012168404532
Watertown,	29,115,299	.010565751295
Wellesley,	16,305,003	.005916978787
Weston,	5,427,288	.001969527265
Westwood,	2,711,339	.000983927163
Weymouth,	14,020,601	.005087984264
Winchester,	18,139,162	.006582583074
Winthrop,	16,799,768	.006096525764
Woburn,	16,979,838	.006161871988
	\$2,755,629,788	1.000000000000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Maintenance.	Serial Bonds.	Total.
Arlington,	\$879 18	\$1,344 68	\$76 04	\$2,299 90
Belmont,	573 09	876 52	49 57	1,499 18
Boston,	69,245 17	105,908 36	5,989 08	181,142 61
Braintree,	417 28	638 22	36 09	1,091 59
Brookline,	4,178 12	6,390 30	361 37	10,929 79
Cambridge,	6,296 72	9,630 63	544 61	16,471 96
Canton,	290 22	443 88	25 10	759 20
Chelsea,	1,665 62	2,547 51	144 06	4,357 19
Dedham,	610 03	933 02	52 76	1,595 81
Dover,	126 97	194 19	10 98	332 14
Everett,	1,782 78	2,726 71	154 19	4,663 68
Hingham,	309 04	472 67	26 73	808 44
Hull,	483 63	739 70	41 83	1,265 16
Lynn,	4,466 09	6,830 75	386 28	11,683 12
Malden,	1,836 05	2,808 18	158 80	4,803 03
Medford,	1,493 08	2,283 63	129 14	3,905 85
Melrose,	832 25	1,272 90	71 98	2,177 13
Milton,	869 91	1,330 51	75 24	2,275 66
Nahant,	192 89	295 02	16 68	504 59
Needham,	456 58	698 33	39 49	1,194 40
Newton,	3,425 44	5,239 11	296 27	8,960 82
Quincy,	2,179 57	3,333 59	188 51	5,701 67
Revere,	1,055 60	1,614 51	91 30	2,761 41
Saugus,	334 98	512 33	28 97	876 28
Somerville,	3,705 67	5,667 71	320 51	9,693 89
Stoneham,	285 45	436 59	24 69	746 73
Swampscott,	620 86	949 59	53 70	1,624 15
Wakefield,	586 05	896 35	50 69	1,533 09
Waltham,	1,406 90	2,151 81	121 68	3,680 39
Watertown,	1,221 60	1,868 40	105 66	3,195 66
Wellesley,	684 12	1,046 33	59 17	1,789 62
Weston,	227 71	348 28	19 69	595 68
Westwood,	113 76	173 99	9 84	297 59
Weymouth,	588 27	899 74	50 88	1,538 89
Winchester,	761 07	1,164 04	65 83	1,990 94
Winthrop,	704 87	1,078 08	60 97	1,843 92
Woburn,	712 43	1,089 64	61 62	1,863 69
	\$115,619 05	\$176,835 80	\$10,000 00	\$302,454 85 ¹

¹ Exclusive of \$59,103.92, special assessments on Boston and Cambridge, and \$25,591.40, embankment interest on Boston, which are included on page 6.

Analysis of Charles River Basin Debt, July 1, 1920.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt,	\$4,418,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,370,363 57
Sinking fund,	1,133,929 38	134,539 08	134,539 08	206,752 61	658,098 61
	\$3,284,070 62	\$465,460 92	\$465,460 92	\$640,883 82	\$1,712,264 96

STATEMENT OF THE DEBTS OF THE METROPOLITAN

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (Sinking Fund).		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (Serial).		205,000 00		—		860,406 25	
Gross debt, .		\$8,990,000 00		\$700,000 00		\$3,427,906 25	
Sinking funds, July 1, 1920.		3,704,919 19		281,978 77		1,013,313 34	
Net debt, .		\$5,285,080 81 5,272,080 81 ²		\$418,021 23		\$2,414,592 91 2,226,280 41 ²	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . .	.007604129949	\$40,089 59	.007586337732	\$3,171 25	.007604129949	\$16,928 93
2	Belmont, . .	.004956662560	26,131 93	.004945064913	2,067 14	.004956662560	11,034 92
3	Boston, . .	.598907917960	3,157,490 94	.597506587396	249,770 44	.598907917960	1,387,336 97
4	Braintree, . .	.003609117612	19,027 56	.003600672964	1,505 16	.003609117612	8,034 91
5	Brookline, . .	.036136903235	190,516 67	.036052349758	15,070 65	.036136903235	80,450 88
6	Cambridge, . .	.054460888997	257,122 21	.054333460879	22,712 54	.054460888997	121,245 21
7	Canton, . .	.002510121654	13,233 57	.002504248446	1,046 83	.002510121654	5,588 23
8	Chelsea, . .	.014406082839	75,950 03	.014372375347	6,007 96	.014406082839	32,071 98
9	Cohasset, . .	—	—	.002339809714	978 09	—	—
10	Dedham, . .	.005276186251	27,816 48	.005263840979	2,200 40	.005276186251	11,746 27
11	Dover, . .	.001098128643	5,789 42	.001095559231	457 97	.001098128643	2,444 74
12	Everett, . .	.015419460983	81,292 64	.015383382379	6,430 58	.015419460983	34,328 04
13	Hingham, . .	.002672911663	14,091 81	.002666657559	1,114 72	.002672911663	5,950 65
14	Hull, . .	.004182957395	22,052 89	.004173170071	1,744 47	.004182957395	9,312 44
15	Lexington, . .	—	—	—	—	—	—
16	Lynn, . .	.038627650370	203,648 09	.038537269018	16,109 40	.038627650370	\$5,995 98
17	Malden, . .	.015880167282	83,721 53	.015843010712	6,622 71	.015880167282	42,828 71
18	Medford, . .	.012913821789	68,082 71	.012883605904	5,385 62	.012913821789	37,949 79
19	Melrose, . .	.007198207497	37,949 53	.007181365062	3,001 96	.007198207497	16,025 23
20	Milton, . .	.007523961343	39,666 93	.007506356705	3,137 82	.007523961343	16,750 45
21	Nahant, . .	.001668307194	8,795 45	.001664403673	695 76	.001668307194	3,714 12
22	Needham, . .	.003949019947	20,819 55	.003939779992	1,646 91	.003949019947	8,791 63
23	Newton, . .	.029626955099	162,695 70	.029557633662	12,355 72	.029626955099	65,957 91
24	Quincy, . .	.018851316395	99,385 66	.018807207901	7,861 81	.018851316395	82,468 32
25	Reading, . .	—	—	—	—	—	—
26	Revere, . .	.009129988401	48,134 04	.009108625965	3,807 60	.009129988401	20,325 91
27	Saugus, . .	.002897225177	15,274 41	.002890446221	1,208 27	.002897225177	6,450 04
28	Somerville, . .	.032050675452	168,973 75	.031975682970	13,366 51	.032050675452	77,678 79
29	Stonham, . .	.002468920909	13,016 35	.002463144103	1,029 65	.002468920909	6,934 91
30	Swampscott, . .	.005369917637	28,310 64	.005357353052	2,249 49	.005369917637	11,954 94
31	Wakefield, . .	.005068841635	26,723 34	.005056981511	2,113 92	.005068841635	11,284 66
32	Waltham, . .	.012168404532	64,152 81	.012139932781	5,074 75	.012168404532	27,090 28
33	Watertown, . .	.010565751295	55,703 50	.010541029447	4,406 37	.010565751295	23,522 32
34	Wellesley, . .	.005916978787	31,194 79	.00590031134182	2,467 64	.005916978787	13,172 85
35	Weston, . .	.001969527265	12,983 51	.001964918946	821 38	.001969527265	4,384 72
36	Westwood, . .	.000983927163	5,187 34	.000981624960	410 34	.000983927163	2,190 50
37	Weymouth, . .	.005087984264	26,824 26	.005076079349	2,121 91	.005087984264	11,327 28
38	Winchester, . .	.006582583074	34,703 91	.006567181082	2,745 22	.006582583074	14,654 68
39	Winthrop, . .	.006096525764	32,141 38	.006082261054	2,542 51	.006096525764	13,572 57
40	Woburn, . .	.006161871988	32,485 89	.006117454380	2,569 76	.006161871988	13,718 05
		1.000000000000	\$5,281,180 81 ¹	1.000000000000	\$418,021 23	1.000000000000	\$2,345,217 01 ⁴

¹ See page 39 for details.² District proportion.

DISTRICT (CHAPTER 526, ACTS OF 1911).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
781,000 00		882,000 00		1,328,000 00		293,000 00		TOTAL.	
\$7,344,000 00		\$9,759,912 00		\$42,726,000 00		\$4,418,000 00			
3,013,171 30		1,788,999 49		16,326,867 58		1,133,929 38			
\$4,330,828 70		\$7,970,912 51		\$26,399,132 42		\$3,284,070 62 ¹			
4,285,828 70 ²						1,712,264 96 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0318	\$136,289 35	-	-	.009373	\$247,439 07	.007604129949	\$13,020 29	\$456,938 48	1
.0207	88,716 65	-	-	.005337	140,892 17	.004956662560	8,487 12	277,329 93	2
.1409	603,873 26	.4757	\$3,791,763 08	.748893	19,770,125 47	.598907917960	2,131,833 78	31,092,193 94	3
-	-	-	-	-	-	.003609117612	6,179 77	34,747 40	4
-	-	.1506	1,200,419 43	-	-	.036136903235	61,875 95	1,548,333 58	5
.2274	974,597 45	-	-	-	-	.054460888997	558,712 39	1,964,389 80	6
-	-	-	-	-	-	.002510121654	4,297 99	24,166 62	7
.0602	258,006 89	-	-	.023527	621,092 39	.014406082839	24,667 03	1,017,796 28	8
-	-	-	-	-	-	-	-	978 09	9
-	-	.0210	167,389 16	-	-	.005276186251	9,034 23	218,186 54	10
-	-	-	-	-	-	.001098128643	1,880 29	10,572 42	11
.0644	297,007 37	-	-	.022659	598,177 94	.015419460983	26,402 20	1,043,638 77	12
-	-	-	-	-	-	.002672911663	4,576 73	25,733 91	13
-	-	-	-	-	-	.004182957395	7,162 33	40,272 13	14
.0090	38,572 46	-	-	.003636	95,987 25	-	-	134,559 71	15
-	-	-	-	-	-	.038627650370	66,140 77	371,894 24	16
.0663	305,150 44	-	-	.021697	572,781 98	.015880167282	27,191 05	1,038,296 42	17
.0539	231,006 17	-	-	.015159	400,184 45	.012913821789	22,111 88	764,720 62	18
.0301	129,003 44	-	-	.009194	242,713 62	.007198207497	12,325 24	441,019 02	19
-	-	.0313	249,489 56	.005266	139,017 83	.007523961343	12,883 02	460,945 61	20
-	-	-	-	.001717	45,327 31	.001668307194	2,856 58	61,389 22	21
-	-	-	-	-	-	.003949019947	6,761 77	38,019 86	22
-	-	.1235	984,407 69	.002604	68,743 34	.029626955099	50,729 20	1,344,889 56	23
-	-	.0786	626,513 72	.033856	893,769 03	.018851316395	32,278 45	1,742,276 99	24
.0132	56,572 94	-	-	-	-	-	-	56,572 94	25
.0381	166,290 07	-	-	.013982	369,112 67	.009129988401	15,632 96	623,303 25	26
-	-	-	-	-	-	.002897225177	4,960 82	27,893 54	27
.1338	573,443 88	-	-	.050632	1,336,640 87	.032050675452	54,879 25	2,224,983 05	28
.0103	44,144 04	-	-	.004562	120,432 84	.002468920909	4,227 45	189,784 34	29
-	-	-	-	.005466	144,297 66	.005369917637	9,194 72	195,997 45	30
.0212	90,859 57	-	-	-	-	.005068841635	8,679 20	139,660 69	31
-	-	.0507	404,125 27	-	-	.012168404532	20,835 53	521,278 64	32
-	-	.0440	350,720 15	.015302	403,959 52	.010565751295	18,091 37	856,403 23	33
-	-	.0246	196,084 45	-	-	.005916978787	10,131 43	253,051 16	34
-	-	-	-	-	-	.001969527265	3,372 35	21,561 96	35
-	-	-	-	-	-	.000983927163	1,684 74	9,472 92	36
-	-	-	-	-	-	.005087984264	8,711 98	48,985 43	37
.0275	117,860 29	-	-	-	-	.006582583074	11,271 13	181,235 23	38
.0255	109,288 63	-	-	.007138	188,437 01	.006096525764	10,438 87	356,420 97	39
.0257	110,145 80	-	-	-	-	.006161871988	10,550 76	169,470 26	40
1.0000	\$4,330,828 70	1.0000	\$7,970,912 51	1.000000	\$26,399,132 42	1.000000000000	\$3,284,070 62	\$50,029,364 20	

³ Exclusive of \$3,900, share of county of Middlesex.⁴ Exclusive of \$69,375, share of certain counties and street railways.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 4 per cent per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	=	1.04040000	\$1 each year for 19 years	=	28.90197165
\$1 in 2 years	=	1.08243216	\$1 in 20 years	=	2.20803964
\$1 each year for 2 years	=	2.12283216	\$1 each year for 20 years	=	31.11001129
\$1 in 3 years	=	1.12616241	\$1 in 21 years	=	2.29724444
\$1 each year for 3 years	=	3.24899457	\$1 each year for 21 years	=	33.40725573
\$1 in 4 years	=	1.17165938	\$1 in 22 years	=	2.39005311
\$1 each year for 4 years	=	4.42065395	\$1 each year for 22 years	=	35.79730884
\$1 in 5 years	=	1.21899441	\$1 in 23 years	=	2.48661126
\$1 each year for 5 years	=	5.63964836	\$1 each year for 23 years	=	38.28392010
\$1 in 6 years	=	1.26824179	\$1 in 24 years	=	2.58707035
\$1 each year for 6 years	=	6.90789015	\$1 each year for 24 years	=	40.87099045
\$1 in 7 years	=	1.31947875	\$1 in 25 years	=	2.69158799
\$1 each year for 7 years	=	8.22736890	\$1 each year for 25 years	=	43.56257844
\$1 in 8 years	=	1.37278570	\$1 in 26 years	=	2.80032815
\$1 each year for 8 years	=	9.60015460	\$1 each year for 26 years	=	46.36290659
\$1 in 9 years	=	1.42824624	\$1 in 27 years	=	2.91346140
\$1 each year for 9 years	=	11.02840084	\$1 each year for 27 years	=	49.27636799
\$1 in 10 years	=	1.48594738	\$1 in 28 years	=	3.03116524
\$1 each year for 10 years	=	12.51434822	\$1 each year for 28 years	=	52.30753323
\$1 in 11 years	=	1.54597966	\$1 in 29 years	=	3.15362432
\$1 each year for 11 years	=	14.06032788	\$1 each year for 29 years	=	55.46115755
\$1 in 12 years	=	1.60843724	\$1 in 30 years	=	3.28103074
\$1 each year for 12 years	=	15.66876512	\$1 each year for 30 years	=	58.74218829
\$1 in 13 years	=	1.67341810	\$1 in 31 years	=	3.41358438
\$1 each year for 13 years	=	17.34218322	\$1 each year for 31 years	=	62.15577267
\$1 in 14 years	=	1.74102419	\$1 in 32 years	=	3.55149318
\$1 each year for 14 years	=	19.08320741	\$1 each year for 32 years	=	65.70726585
\$1 in 15 years	=	1.81136157	\$1 in 33 years	=	3.69497350
\$1 each year for 15 years	=	20.89456898	\$1 each year for 33 years	=	69.40223935
\$1 in 16 years	=	1.88454057	\$1 in 34 years	=	3.84425012
\$1 each year for 16 years	=	22.77910955	\$1 each year for 34 years	=	73.24648977
\$1 in 17 years	=	1.96067601	\$1 in 35 years	=	3.99955813
\$1 each year for 17 years	=	24.73978556	\$1 each year for 35 years	=	77.24604790
\$1 in 18 years	=	2.03988732	\$1 in 36 years	=	4.16114027
\$1 each year for 18 years	=	26.77067288	\$1 each year for 36 years	=	81.40718817
\$1 in 19 years	=	2.12229877			
1 each year for 19 years	=	28.90197165			

INDEX.

A.

	PAGE
Alewife Brook,	27
Assessments on Counties and Street Railways,	8

B.

Boston and Cambridge, Charles River Bridge,	36
Boulevards. See "Metropolitan Parks Loan."	

C.

Charles River Basin Debt, Analysis of,	39
Charles River Basin Loan:—	
Assessment, how made up,	36
Sinking Fund (Charles River Bridge),	37
Sinking Fund (District),	37
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements,	39
Proportion in Percentages,	38
Charles River Bridge, Boston and Cambridge,	36, 37
Comparison of 1919 and 1920 Parks and Sewerage Assessments,	35
Comparison of 1919 and 1920 Water Assessments,	12
Counties, Assessments on,	8

D.

Debts of the Metropolitan District,	40, 41
---	--------

E.

Everett and Malden, Special Assessment,	28
---	----

G.

Gross Charles River Basin Loan Debt, April 1, 1920,	36
Gross Metropolitan Parks Debt, April 1, 1920,	13
Gross Metropolitan Parks, Series 2 (Boulevards) Debt, April 1, 1920,	13
Gross Metropolitan Sewerage (North System) Debt, April 1, 1920,	28
Gross Metropolitan Sewerage (South System) Debt, April 1, 1920,	29
Gross Metropolitan Water Debt, April 1, 1920,	9

M.

	PAGE
Malden and Everett, Special Assessment,	28
Metropolitan Districts, Statement of the Debts of,	40, 41
Metropolitan Districts, Total Assessments for,	6
Metropolitan Parks Loan:—	
Parks Sinking Fund Requirements,	20
Boulevards Sinking Fund Requirements,	20
Nantasket Sinking Fund Requirements,	20
Parks Interest Requirements,	21
Boulevards Interest Requirements,	21
Nantasket Interest Requirements,	21
Parks Maintenance Requirements,	22
Boulevards Maintenance Requirements,	22
Nantasket Maintenance Requirements,	22
Wellington Bridge Maintenance Requirements,	22
Parks Serial Bonds Requirements,	23
Boulevards Serial Bonds Requirements,	23
Assessment, how made up,	13, 14
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	15
Neponset Bridge, Special Assessment,	24
Newton-Weston Bridge, Special Assessment,	25
Proportion in Percentages to be paid annually,	16, 17, 18
Sinking Fund, Parks,	19
Sinking Fund, Boulevards, Series 2,	19
Sinking Fund, Nantasket,	19
Wellington Bridge, Special Assessment,	26
Metropolitan Parks and Sewerage Loans, Comparison of 1919 and 1920 Assessments,	35
Metropolitan Sewerage Loan, North System:—	
Amounts provided for and to be provided for,	31
Assessments, how made up,	28
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	30
Everett and Malden, Special Assessment,	28
Proportion in Percentages to be paid annually,	32
Reading, Special Sinking Fund Assessment,	30
Revere, Special Assessment,	29
Sinking Fund,	31
Metropolitan Sewerage Loan, South System:—	
Amounts provided for and to be provided for,	33
Assessment, how made up,	29
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	32
Proportion in Percentages to be paid annually,	34
Sinking Fund,	33
Wellesley, Special Sinking Fund Assessment,	32
Metropolitan Water Loan:—	
Assessment, how made up,	9
Comparison of Total 1919 and 1920 Assessments,	12
Computations for determining Assessment,	10
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	11
Sinking Fund,	10

N.

	PAGE
Nantasket. See "Metropolitan Parks Loan."	
Neponset Bridge,	24
Newton-Weston Bridge,	25
Net Charles River Basin Loan Debt, April 1, 1920,	36
Net Metropolitan Parks Debt, April 1, 1920,	13
Net Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1920,	13
Net Metropolitan Sewerage (North System) Debt, April 1, 1920,	28
Net Metropolitan Sewerage (South System) Debt, April 1, 1920,	29
Net Metropolitan Water Debt, April 1, 1920,	9
Net Water Debt of Cities in Original Metropolitan Water District,	12

O.

Outlet for Sewage of Everett and Malden,	28
Outlet for Sewage of Revere,	29

P.

Parks Loan. See "Metropolitan Parks Loan."

R.

Reading, Special Sinking Fund Assessment,	30
Revenue from Water received by Cities and Towns, 1919,	12
Revere, Special Assessment,	29

S.

Sewerage Loan. See "Metropolitan Sewerage Loan, North System;" "Metropolitan Sewerage Loan, South System."	
Sinking Fund Table,	42
Special Metropolitan District Assessments,	7
Street Railways, Assessments on,	8

T.

Total Assessments for Metropolitan Districts,	6
---	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District,	12
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1919,	12
Wellington Bridge: —	
Serial Bonds, Special Assessment,	26
Interest, Special Assessment,	26
Maintenance, Special Assessment,	26
Maintenance, District Assessment,	22
Wellesley, Special Sinking Fund Assessment,	32

The Commonwealth of Massachusetts

1921

ASSESSMENTS

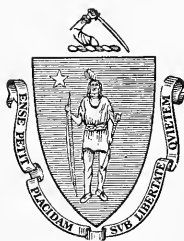
FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL



BOSTON
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET

PUBLICATION OF THIS DOCUMENT
APPROVED BY THE
SUPERVISOR OF ADMINISTRATION.

The Commonwealth of Massachusetts

TREASURY DEPARTMENT, Sept. 1, 1921.

Under the provisions of section 11 of chapter 10 of the General Laws the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1921, to be paid by the cities and towns comprising the metropolitan districts, are compiled and printed as a public document and herewith submitted.

No bonds have been issued during the year 1921. An issue of \$2,705,000 water bonds was authorized under chapter 530, Acts of 1920, and \$100,000 sewer bonds under chapter 525, Acts of 1920. Owing to financial conditions it was deemed advisable to postpone the issuing of bonds under the above acts, and, if necessary, to issue notes in anticipation of bond issues of a sufficient amount to take care of the work contemplated by the Metropolitan District Commission for the fiscal year. No notes, however, have been issued to date.

The following sections of chapter 92 of the General Laws show the manner of computing the proportions in which the cities and towns of the several metropolitan districts shall annually pay money into the treasury of the Commonwealth to meet the assessments against said districts:—

Metropolitan Sewer.

SECTION 5. The proportions in which each of the towns belonging in whole or in part to the north metropolitan and south metropolitan sewerage districts, respectively, shall annually pay money to the commonwealth to meet interest and sinking fund requirements for each year, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective taxable valuations of the property of said towns, as last established by the general court as a basis of apportionment for state and county taxes.

SECTION 6. The proportions in which each of the towns belonging in whole or in part to either sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the respective sewerage systems, as estimated by the com-

mission and certified by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective populations of said towns as ascertained by the last preceding state or national census. If less than the whole area of any town is included in either of said metropolitan sewerage systems, the valuation and population only of that part of the town included in either of said systems, as determined by the commission, shall be used as a basis in determining the proportion and amount which it shall pay as its share of interest and sinking fund requirements and of the cost of maintenance and operation of works as required by this and the preceding section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system, shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such system, and shall transmit its determinations to the state treasurer.

Metropolitan Water.

SECTION 26. The state treasurer, for the purpose of making the apportionment to the towns in the metropolitan water district of the amount required in each year to pay the interest, sinking fund requirements and expenses of maintenance and operation of the metropolitan water system, shall, in each year, apportion such amount to the towns in said district, one third in proportion to their valuations for the preceding year and the remaining two thirds in proportion to their consumption, in said year, of water received from all sources of supply as determined by the commission and certified to said treasurer; provided, that there shall be included in reckoning such proportion only one fifth of the total valuation, and nothing for consumption of water, for any town which has not reached the safe capacity of its present sources of supply or of the sources of supply of the water company by which it is supplied, determined as aforesaid, or which has not made application to said commission for water; and provided, further, that any town assessed upon its full valuation which obtains a part of its water supply from its own works or receives a supply from a water company shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid, as determined by said commission and certified to said treasurer. The state treasurer shall annually notify each town of the amount of its assessment, and the same shall be paid by the town to the commonwealth at the time required for the payment of and as part of its state tax. . . .

Metropolitan Parks.

SECTION 51. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the

commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. The proportion in which each town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any town by adding together the percentage which the valuation of the same bears to the total valuation of the towns of the district and the percentage which the population of the same bears to the total population of the towns of the district, and dividing this sum by two.

SECTION 56. The proportion in which each town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable valuations of the property of said towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the towns of the state as a part of the annual state tax.

SECTION 57. The commission shall annually, in accordance with the provisions of the three preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determinations of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the

proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 59. For the purposes of the five preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

JAMES JACKSON,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1921.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington, . . .	\$24,635 28	\$16,432 66	\$24,406 13 ^N	\$2,381 50	\$67,855 57
Belmont, . . .	14,744 88	10,501 86	15,016 03 ^N	1,552 36	41,815 13
Boston, . . .	1,958,528 33	953,235 07	<div> <div>117,228 57^N</div> <div>346,859 96^S</div> </div>	238,073 13	3,613,925 06
Braintree, . . .	—	7,150 80	—	1,130 32	8,281 12
Brookline, . . .	—	55,473 85	89,815 63 ^S	11,317 55	156,607 03
Cambridge, . . .	—	100,445 85	159,936 17 ^N	42,084 35	302,466 37
Canjion, . . .	—	4,639 14	—	786 13	5,425 27
Chelsea, . . .	62,997 73	28,768 38	51,050 62 ^N	4,511 78	147,328 51
Cohasset, . . .	—	206 63	—	—	206 63
Dedham, . . .	—	9,348 25	14,760 98 ^S	1,652 42	25,761 65
Dover, . . .	—	1,619 50	—	343 91	1,963 41
Everett, . . .	64,699 16	29,349 12	52,580 25 ^N	4,829 14	151,457 67
Hingham, . . .	—	4,768 15	—	837 12	5,605 27
Hull, . . .	—	5,806 79	—	1,310 04	7,116 83
Lexington, . . .	10,014 00	—	6,652 52 ^N	—	16,666 52
Lynn, . . .	—	73,202 08	—	12,097 62	85,299 70
Malden, . . .	57,120 28	35,900 33	58,892 69 ^N	4,973 43	156,886 73
Medford, . . .	40,358 42	30,583 93	45,955 13 ^N	4,044 42	120,941 90
Melrose, . . .	24,093 56	13,576 76	23,447 16 ^N	2,254 37	63,371 85
Milton, . . .	14,857 95	11,910 13	19,331 64 ^S	2,356 40	48,456 12
Nahant, . . .	4,399 54	2,460 57	—	522 48	7,382 59
Needham, . . .	—	6,744 86	—	1,236 77	7,981 63
Newton, . . .	7,231 75	50,782 75	80,103 93 ^S	9,278 73	147,397 16
Quincy, . . .	85,289 92	39,297 56	58,909 79 ^S	5,903 95	139,401 22
Reading, . . .	—	—	16,934 06 ^N	—	16,934 06
Revere, . . .	39,177 67	18,576 24	33,841 27 ^N	2,859 37	94,454 55
Saugus, . . .	—	6,303 36	—	907 37	7,210 73
Somerville, . . .	133,989 84	67,653 80	111,731 59 ^N	10,037 81	323,413 04
Stoneham, . . .	13,974 36	5,779 19	9,027 11 ^N	773 23	29,553 89
Swampscott, . . .	15,470 68	8,832 60	—	1,681 78	25,985 06
Wakefield, . . .	—	9,609 23	16,642 76 ^N	1,587 48	27,839 47
Waltham, . . .	—	22,984 66	38,019 99 ^S	3,810 96	64,815 61
Watertown, . . .	38,430 83	18,683 69	30,704 43 ^S	3,309 04	91,127 99
Wellesley, . . .	—	9,093 39	14,687 23 ^S	1,853 11	25,633 73
Weston, . . .	—	3,768 55	—	616 82	4,385 37
Westwood, . . .	—	1,588 52	—	308 16	1,896 68
Weymouth, . . .	—	10,114 42	—	1,593 48	11,707 90
Winchester, . . .	—	10,958 40	17,620 42 ^N	2,061 57	30,640 39
Winthrop, . . .	19,712 42	11,505 48	19,887 90 ^N	1,909 35	53,015 15
Woburn, . . .	—	11,856 40	20,661 75 ^N	1,929 81	34,447 96
	\$2,629,726 60	\$1,709,512 95 ¹	\$1,494,705 71 ²	\$388,717 26 ³	\$6,222,662 52

N, North System.

S, South System.

¹ Includes \$32,840.27, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.² Includes \$11,029.99, special assessments on Everett, Malden, Reading and Revere.³ Includes \$50,055.95, special assessments on Boston and Cambridge, and \$25,475.98, embankment interest on Boston.

Special Metropolitan District Assessments for 1931.

CITIES AND TOWNS.	Alewife Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metro-politan Sewerage.	Charles River Bridge, Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington,	\$2,224 03	—	—	—	—	—	—	—	\$2,224 03
Belmont,	1,575 35	—	—	—	—	—	—	—	1,575 35
Boston,	—	\$4,925 11	—	—	—	—	\$25,027 97	\$25,475 98	55,429 06
Cambridge,	4,355 38	—	—	—	—	—	25,027 98	—	29,383 36
Everett,	—	—	—	—	—	\$1,711 67 ^{N1}	—	—	1,711 67
Malden,	—	—	—	\$1,764 10	\$2,069 39	1,711 66 ^{N1}	—	—	5,545 15
Medford,	—	—	—	2,171 20	2,546 94	—	—	—	4,718 14
Newton,	—	—	\$1,730 00	—	—	—	—	—	1,730 00
Quincy,	—	3,693 83	—	—	—	—	—	—	3,693 83
Reading,	—	—	—	—	—	7,000 00 ^{N2}	—	—	7,000 00
Revere,	—	—	—	—	—	606 66 ^{N3}	—	—	606 66
Somerville,	1,112 01	—	—	1,492 70	1,751 02	—	—	—	4,355 73
Stoneham,	—	—	—	339 25	397 96	—	—	—	737 21
Weston,	—	—	692 00	—	—	—	—	—	692 00
	\$9,266 77 ⁴	\$8,618 94 ⁵	\$2,422 00 ⁶	\$5,767 25 ⁷	\$6,765 31 ⁸	\$11,029 99	\$50,055 95	\$25,475 98	\$119,402 19

¹ Tenth assessment under chapter 512, Acts of 1911 (total assessments, 29).² Fifth assessment under chapter 159, General Acts of 1916 (total assessments, 5).³ Seventh assessment under chapter 259, Acts of 1914 (total assessments, 11).⁴ Eleventh assessment under chapter 529, Acts of 1907 (total assessments, 20), and eighth assessment under chapter 458, Acts of 1911 (total assessments, 20).⁵ Sixth assessment under chapter 300, General Acts of 1915 (total assessments, 18).⁶ Sixth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).⁷ Seventh assessment under chapter 276, General Acts of 1915 (total assessments, 10).⁸ Sixth assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1921.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Total.
Middlesex County,	—	\$1,038 00	—	\$1,038 00
Norfolk County,	\$1,231 27	—	—	1,231 27
Plymouth County,	615 64	—	—	615 64
Bay State Street Railway Company, .	3,693 83	—	—	3,693 83
Boston Elevated Railway Company, .	—	—	\$2,035 50	2,035 50
	\$5,540 74 ¹	\$1,038 00 ²	\$2,035 50 ³	\$8,614 24

¹ Sixth assessment under chapter 300, General Acts of 1915 (total assessments, 18).² Sixth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).³ Seventh assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1921.

Gross water debt, April 1, 1921:—

Bonds outstanding (sinking fund),	\$41,398,000 00
Bonds outstanding (serial),	1,284,000 00
	<hr/>
	\$42,682,000 00

a decrease for the year of \$44,000.

Sinking fund, April 1, 1921,	17,261,139 36
	<hr/>

an increase for the year of \$1,082,770.15.

Net water debt, April 1, 1921,	\$25,420,860 64
--	-----------------

a decrease for the year of \$1,126,770.15.

Total Water Assessment for 1921.

Sinking fund requirements,	\$234,665 68
Serial bonds,	44,000 00

Interest:—

One year on \$41,398,000,	\$1,393,435 00
Six months on \$1,328,000,	26,033 75
Six months on \$1,284,000,	25,170 00
Interest on advances and temporary loans, estimated, 1921,	40,000 00
Adjustment of interest charges in 1920,	3,997 20
	<hr/>
	1,488,635 95

Maintenance as appropriated by Legislature,	\$867,960 00
Less balance on hand,	5,535 03
	<hr/>
	\$862,424 97

Total water assessment for 1921,	\$2,629,726 60
--	----------------

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1920.	Amount of Dec. 1, 1920, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1921.
\$13,000,000	July, 1935	\$6,831,143 14	\$12,131,049 15	\$868,950 85	\$47,374 45
4,000,000	Jan., 1938	1,815,707 41	3,560,013 95	439,986 05	18,503 04
4,000,000	July, 1939	1,624,975 24	3,381,061 71	618,938 29	24,045 97
10,000,000	Jan., 1941	3,595,259 80	7,938,476 15	2,061,523 85	68,942 73
3,500,000	Jan., 1942	1,191,549 58	2,737,280 64	762,719 36	23,753 31
2,000,000	Jan., 1943	621,366 14	1,485,169 77	514,830 23	14,962 83
2,000,000	Jan., 1944	575,861 29	1,431,943 16	568,056 84	15,437 45
650,000	Jan., 1945	203,438 90	526,310 74	123,689 26	3,148 59
1,350,000	Jan., 1946	339,922 14	914,930 34	435,069 66	10,390 71
398,000	Jan., 1949	74,188 98	224,879 05	173,120 95	3,443 38
500,000	Jan., 1950	79,722 53	251,414 90	248,585 10	4,663 22
\$41,398,000	—	\$16,953,165 15	\$34,582,529 56	\$6,815,470 44	\$234,665 68

Computations for determining the Assessment for 1921. (See Section 26 of Chapter 92, General Laws.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1920.	Average Daily Con- sumption (Gallons), 1920.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington, . . .	\$24,118,918	1,055,600	.011514	.008295	.009368
Belmont, . . .	15,764,431	591,400	.007525	.004647	.005607
Boston, . . .	1,576,152,180	94,297,400	.752396	.740950	.744765
Chelsea, . . .	41,374,600	3,316,400	.019751	.026059	.023956
Everett, . . .	40,871,250	3,455,200	.019510	.027150	.024603
Lexington, . . .	9,960,406	424,300	.004755	.003334	.003808
Malden, . . .	44,547,377	2,793,300	.021265	.021949	.021721
Medford, . . .	39,176,700	1,739,700	.018701	.013670	.015347
Melrose, . . .	21,099,100	1,108,100	.010072	.008707	.009162
Milton, . . .	21,320,525	430,900	.010178	.003386	.005650
Nahant, . . .	4,175,031	192,600	.001993	—	.001673
Newton, ¹ . . .	17,280,786	—	.008249	—	.002750
Quincy, . . .	56,586,180	4,472,500	.027012	.035143	.032433
Revere, . . .	28,578,900	1,975,900	.013643	.015526	.014898
Somerville, . . .	83,928,555	7,177,300	.040064	.056396	.050952
Stoneham, . . .	7,401,470	789,600	.003533	.006204	.005314
Swampscott, . . .	15,338,554	657,200	.007322	.005164	.005883
Watertown, . . .	28,909,728	1,911,700	.013800	.015021	.014614
Winthrop, . . .	18,260,850	876,400	.008717	.006886	.007496
	\$2,094,845,541	127,265,500	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1921.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Maintenance.	Serial Bonds.	Total Assessment.
Arlington,	\$13,945 54	\$2,198 35	\$8,079 20	\$412 19	\$24,635 28
Belmont,	8,346 78	1,315 77	4,835 62	246 71	14,744 88
Boston,	1,108,683 95	174,770 79	642,303 93	32,760 66	1,958,528 33
Chelsea,	35,661 76	5,621 65	20,660 25	1,054 07	62,997 73
Everett,	36,624 91	5,773 48	21,218 24	1,082 53	64,699 16
Lexington,	5,668 73	893 61	3,284 11	167 55	10,014 00
Malden,	32,334 66	5,097 17	18,732 73	955 72	57,120 28
Medford,	22,846 10	3,601 41	13,235 64	675 27	40,358 42
Melrose,	13,638 88	2,150 01	7,901 54	403 13	24,093 56
Milton,	8,410 79	1,325 86	4,872 70	248 60	14,857 95
Nahant,	2,490 49	392 60	1,442 84	73 61	4,399 54
Newton,	4,093 75	645 33	2,371 67	121 00	7,231 75
Quincy,	48,280 93	7,610 91	27,971 03	1,427 05	85,289 92
Revere,	22,177 70	3,496 05	12,848 41	655 51	39,177 67
Somerville,	75,848 98	11,956 69	43,942 28	2,241 89	133,989 84
Stoneham,	7,910 61	1,247 01	4,582 92	233 82	13,974 36
Swampscott,	8,757 65	1,380 54	5,073 64	258 85	15,470 68
Watertown,	21,754 93	3,429 40	12,603 48	643 02	38,430 83
Winthrop,	11,158 81	1,759 05	6,464 74	329 82	19,712 42
	\$1,488,635 95	\$234,665 68	\$862,424 97	\$44,000 00	\$2,629,726 60

Comparison of Total Assessments, 1920 and 1921, with Revenue from Water Rates in 1920.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns 1920.
	1920.	1921.	
Arlington,	\$23,603 88	\$24,635 28	\$73,694 89
Belmont,	13,440 08	14,744 88	36,326 58 ¹
Boston,	1,885,924 91	1,958,528 33	3,429,619 56 ²
Chelsea,	59,247 66	62,997 73	142,617 76
Everett,	57,061 77	64,699 16	130,857 96 ²
Lexington,	9,156 47	10,014 00	27,885 41 ³
Malden,	54,639 20	57,120 28	157,636 86 ⁴
Medford,	38,174 66	40,358 42	90,644 47 ¹
Melrose,	23,153 10	24,093 56	51,915 35 ¹
Milton,	13,261 28	14,857 95	60,815 92 ⁵
Nahant,	4,323 90	4,399 54	14,707 32 ²
Newton,	6,557 62	7,231 75	— ⁶
Quincy,	85,259 00	85,289 92	253,224 21 ³
Revere,	35,210 63	39,177 67	89,943 05 ¹
Somerville,	127,505 74	133,989 84	262,666 34 ¹
Stoneham,	11,488 42	13,974 36	47,968 16 ⁷
Swampscott,	13,764 93	15,470 68	43,181 85 ³
Watertown,	38,534 77	38,430 83	122,898 27 ¹
Winthrop,	17,975 50	19,712 42	50,945 06 ³
	\$2,518,283 52	\$2,629,726 60	\$5,087,549 02

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering or other municipal purposes.

³ No money received for water used for street watering.

⁴ No money received for hydrant rentals.

⁵ No money received for water used for municipal purposes.

⁶ Not taking water from the district.

⁷ No money received for water used for street watering or other municipal purposes.

Net Water Debt of the Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1920.	Jan. 1, 1921.	Decrease.
Boston,	\$336,000 00	\$314,000 00	\$22,000 00
Chelsea,	27,444 00	7,047 00	20,397 00
Everett,	15,833 25	8,340 07	7,493 18
Malden,	9,087 39	4,713 23	4,374 16
Medford,	—6,769 88 ¹	3,723 53	10,493 41 ²
Melrose,	90,113 86	70,907 69	19,206 17
Somerville,	2,000 00	—	2,000 00
	\$473,708 62	\$408,731 52	\$64,977 10

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1921:—

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	181,750 00	
	<hr/>	\$9,666,750 00

a decrease for the year of \$23,250.

Sinking fund, April 1, 1921,	<hr/>	4,203,613 51
--	-------	--------------

an increase for the year of \$245,329.27.

Net parks debt, April 1, 1921,	\$5,463,136 49
--	----------------

a decrease for the year of \$268,579.27.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1921:—

Bonds outstanding (sinking fund) (one-half),	\$2,567,500 00	
Bonds outstanding (serial) (one-half),	576,500 00	
Bonds outstanding (serial), 78.75 per cent (chapter 276, General Acts of 1915),	36,225 00	
Bonds outstanding (serial), 78.75 per cent (chapter 300, General Acts of 1915),	196,875 00	
	<hr/>	\$3,377,100 00

a decrease for the year of \$50,806.25.

Sinking fund, April 1, 1921,	<hr/>	1,067,083 45
--	-------	--------------

an increase for the year of \$61,042.60.

Net parks, series two (boulevards), debt, April 1, 1921,	\$2,310,016 55
--	----------------

a decrease for the year of \$111,848.85.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1921 is made up as follows:—

Parks sinking fund,	\$51,709 43
Parks, series two, sinking fund,	13,185 00
Nantasket sinking fund,	3,324 39
Parks serial bonds,	17,750 00
Parks, series two, serial bonds,	32,193 75
	<hr/>

<i>Amount carried forward,</i>	\$118,162 57
--	--------------

Amount brought forward, \$118,162 57

Parks interest:—

One year on \$8,785,000, . . .	\$301,225 00
Six months on \$192,000, . . .	3,740 00
Six months on \$171,750, . . .	3,340 63
Interest on advances and tempo- rary loans, estimated, 1921, .	20,000 00
Adjustment of interest charges in 1920,	563 69

328,869 32

Parks, series two, interest:—

One year on \$2,567,500, . . .	\$87,737 50
Six months on \$672,093.75, . .	13,613 12
Six months on \$634,400, . . .	12,950 50
Interest on advances and tempo- rary loans, estimated, 1921, .	1,000 00
Adjustment of interest charges in 1920,	2,507 66

117,808 78

Nantasket interest:—

One year on \$700,000,	21,000 00
----------------------------------	-----------

Parks maintenance as appropriated by Legislature,	\$823,400 00
Less balance on hand,	46,623 28

776,776 72

Boulevards maintenance (one-half), . . .	\$301,700 00
Less balance on hand (one-half), . . .	55,009 94

246,690 06

Nantasket maintenance,	\$71,000 00
Less balance on hand,	7,017 42

63,982 58

Wellington Bridge maintenance (one-quarter), .	\$3,750 00
Less balance on hand (one-quarter), . . .	367 35

3,382 65

Total parks assessment for 1921, \$1,676,672 68

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington,	\$518 69	\$3,555 91	\$9,754 25	\$379 78	\$14,208 63
Belmont,	338 10	2,317 88	6,022 98	247 55	8,926 51
Boston,	40,852 14	280,066 69	597,479 42	29,911 71	948,309 96
Braintree,	246 19	1,687 73	5,036 63	180 25	7,150 80
Brookline,	2,464 94	16,898 67	34,305 43	1,804 81	55,473 85
Cambridge,	3,714 84	25,467 49	64,188 16	2,719 98	96,090 47
Canton,	171 23	1,173 81	3,168 73	125 37	4,639 14
Chelsea,	982 65	6,736 70	20,329 53	719 50	28,768 38
Cohasset,	7 78	49 14	149 71	—	206 63
Dedham,	359 90	2,467 30	6,257 54	263 51	9,348 25
Dover,	74 90	513 52	976 24	54 84	1,619 50
Everett,	1,051 78	7,210 59	20,316 64	770 11	29,349 12
Hingham,	182 32	1,249 93	3,202 41	133 49	4,768 15
Hull,	285 32	1,956 08	3,356 47	208 92	5,806 79
Lynn,	2,634 83	18,063 41	50,574 63	1,929 21	73,202 08
Malden,	1,083 20	7,426 02	22,764 51	793 11	32,066 84
Medford,	880 87	6,038 88	18,301 07	644 97	25,865 79
Melrose,	490 99	3,366 09	9,360 17	359 51	13,576 76
Milton,	513 22	3,518 42	7,502 71	375 78	11,910 13
Nahant,	113 80	780 14	1,483 31	83 32	2,460 57
Needham,	269 37	1,846 68	4,431 58	197 23	6,744 86
Newton,	2,020 88	13,854 43	31,697 76	1,479 68	49,052 75
Quincy,	1,285 86	8,815 42	24,560 95	941 50	35,603 73
Revere,	622 77	4,269 44	13,228 04	455 99	18,576 24
Saugus,	197 62	1,254 83	4,606 21	144 70	6,303 36
Somerville,	2,186 21	14,987 82	44,523 31	1,600 73	63,298 07
Stoneham,	168 41	1,154 54	3,595 73	123 30	5,041 98
Swampscott,	366 28	2,511 12	5,687 00	268 20	8,822 60
Wakefield,	345 75	2,370 34	6,639 99	253 15	9,609 23
Waltham,	830 02	5,690 29	15,856 61	607 74	22,984 66
Watertown,	720 70	4,940 85	12,494 45	527 69	18,683 69
Wellesley,	403 60	2,766 94	5,627 33	295 52	9,093 39
Weston,	134 34	921 01	1,922 83	98 37	3,076 55
Westwood,	67 11	460 11	1,012 16	49 14	1,588 52
Weymouth,	347 05	2,379 29	7,133 97	254 11	10,114 42
Winchester,	419 00	3,078 21	7,102 43	328 76	10,958 40
Winthrop,	415 85	2,850 91	7,934 24	304 48	11,505 48
Woburn,	420 31	2,881 47	8,246 88	307 74	11,856 40
	\$68,218 82	\$167,678 10	\$1,090,832 01	\$49,943 75	\$1,076,672 68

METROPOLITAN PARKS (EXCEPTING NANTASKET) AND BOULEVARDS.

Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (excepting Parks Maintenance) Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, General Acts of 1919).	Per Cent.
Arlington,	\$20,954,167	.007604129949
Belmont,	13,658,727	.004956662560
Boston,	1,650,368,499	.598907917960
Braintree,	9,945,392	.003609117612
Brookline,	99,579,927	.036136903235
Cambridge,	150,074,048	.054460888997
Canton,	6,916,966	.002510121654
Chelsea,	39,697,831	.014406082839
Dedham,	14,539,216	.005276186251
Dover,	3,026,036	.001098128643
Everett,	42,490,326	.015419460983
Hingham,	7,365,555	.002672911663
Hull,	11,526,682	.004182957395
Lynn,	106,443,504	.038627650370
Malden,	43,759,862	.015880167282
Medford,	35,585,712	.012913821789
Melrose,	19,835,595	.007198207497
Milton,	20,733,252	.007523961343
Nahant,	4,597,237	.001668307194
Needham,	10,882,037	.003949019947
Newton,	81,640,920	.029626955099
Quincy,	51,947,249	.018851316395
Revere,	25,158,868	.009129988401
Saugus,	7,983,680	.002897225177
Somerville,	88,319,796	.032050675452
Stoneham,	6,803,432	.002468920909
Swampscott,	14,797,505	.005369917637
Wakefield,	13,967,851	.005068841635
Waltham,	33,531,618	.012168404532
Watertown,	29,115,299	.010565751295
Wellesley,	16,305,003	.005916978787
Weston,	5,427,288	.001969527265
Westwood,	2,711,339	.000983927163
Weymouth,	14,020,601	.005087984264
Winchester,	18,139,162	.006582583074
Winthrop,	16,799,768	.006096525764
Woburn,	16,979,838	.006161871988
	\$2,755,629,788	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET).

Proportion of Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, Gen. Acts, 1919).	Per Cent.	Popula- tion.	Per Cent.	Average Per Cent.
Arlington, . . .	\$20,954,167	.007604129949	18,665	.011364729578	.0094844297635
Belmont, . . .	13,658,727	.004956662560	10,749	.006544842124	.0057507523420
Boston, . . .	1,650,368,499	.598907917960	747,923	.455394730273	.5271513241165
Braintree, . . .	9,945,392	.003609117612	10,580	.006441941545	.0050255295785
Brookline, . . .	99,579,927	.036136903235	37,748	.022983970647	.0295604369410
Cambridge, . . .	150,074,048	.054460888997	109,694	.066790390912	.0606256399545
Canton, . . .	6,916,966	.002510121654	5,945	.003619786624	.0030649541390
Chelsea, . . .	39,697,831	.014406082839	43,184	.026293837777	.0203499603080
Dedham, . . .	14,539,216	.005276186251	10,792	.006571023928	.0059236050895
Dover, . . .	3,026,036	.001098128643	867	.000527898234	.0008130134385
Everett, . . .	42,490,326	.015419460983	40,120	.024428232022	.0199238465025
Hingham, . . .	7,365,555	.002672911663	5,604	.003412158830	.0030425352465
Hull, . . .	11,526,682	.004182957395	1,771	.001078324998	.0026306411965
Lynn, . . .	106,443,504	.038627650370	99,148	.060369151259	.0494984008145
Malden, . . .	43,759,862	.015880167282	49,103	.029897793544	.0228889804130
Medford, . . .	35,585,712	.012913821789	39,038	.023769424767	.0183416232780
Melrose, . . .	19,835,595	.007198207497	18,204	.011084036284	.0091411218905
Milton, . . .	20,733,252	.007523961343	9,382	.005712504308	.0066182328255
Nahant, . . .	4,597,237	.001668307194	1,318	.000802502737	.0012354049655
Needham, . . .	10,882,037	.003949019947	7,012	.004269460691	.0041092403190
Newton, . . .	81,640,920	.029626955099	46,054	.028041320975	.0288341380370
Quincy, . . .	51,947,249	.018851316395	47,876	.029150698811	.0240010076030
Revere, . . .	25,158,868	.009129988401	28,823	.017549724117	.0133398562590
Saugus, . . .	7,983,680	.002897225177	10,874	.006620952020	.0047590885985
Somerville, . . .	88,319,796	.032050675452	93,091	.056681170169	.0443659228105
Stonham, . . .	6,803,432	.002468920909	7,873	.004793705651	.0036313132800
Swampscott, . . .	14,797,505	.005369917637	8,101	.004932530100	.0051512238685
Wakefield, . . .	13,967,851	.005068841635	13,025	.007930651099	.0064997463670
Waltham, . . .	33,531,618	.012168404532	30,915	.018823499326	.0154959519290
Watertown, . . .	29,115,299	.010565751295	21,457	.013064720202	.0118152357485
Wellesley, . . .	16,305,003	.005916978787	6,224	.003789663911	.0048533213490
Weston, . . .	5,427,288	.001969527265	2,282	.001389462250	.0016794947575
Westwood, . . .	2,711,339	.000983927163	1,358	.000826857903	.0009053925330
Weymouth, . . .	14,020,601	.005087984264	15,057	.009167893558	.0071279389110
Winchester, . . .	18,139,162	.006582583074	10,485	.006381098025	.0064833405495
Winthrop, . . .	16,799,768	.006096525764	15,446	.009401747553	.0077506366585
Woburn, . . .	16,979,838	.006161871988	16,574	.010091563248	.0081267176180
	\$2,755,629,788	1.000000000000	1,642,362	1.000000000000	1.000000000000

METROPOLITAN PARKS — NANTASKET.

Proportion of Sinking Fund, Interest and Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, General Acts of 1919).	Per Cent.
Arlington,	\$20,954,167	.007586337732
Belmont,	13,658,727	.004945064913
Boston,	1,650,368,499	.597506587396
Braintree,	9,945,392	.003600672964
Brookline,	99,579,927	.036052349758
Cambridge,	150,074,048	.054333460879
Canton,	6,916,966	.002504248446
Chelsea,	39,697,831	.014372375347
Cohasset,	6,462,771	.002339809714
Dedham,	14,539,216	.005263840979
Dover,	3,026,036	.001095559231
Everett,	42,490,326	.015383382379
Hingham,	7,365,555	.002666657559
Hull,	11,526,682	.004173170071
Lynn,	106,443,504	.038537269018
Malden,	43,759,862	.015843010712
Medford,	35,585,712	.012883605904
Melrose,	19,835,595	.007181365062
Milton,	20,733,252	.007506356705
Nahant,	4,597,237	.001664403673
Needham,	10,882,037	.003939779992
Newton,	81,640,920	.029557633662
Quincy,	51,947,249	.018807207901
Revere,	25,158,868	.009108625965
Saugus,	7,983,680	.002890446221
Somerville,	88,319,796	.031975682970
Stoneham,	6,803,432	.002463144103
Swampscott,	14,797,505	.005357353052
Wakefield,	13,967,851	.005056981511
Waltham,	33,531,618	.012139932781
Watertown,	29,115,299	.010541029447
Wellesley,	16,305,003	.005903134182
Weston,	5,427,288	.001964918946
Westwood,	2,711,339	.000981624960
Weymouth,	14,020,601	.005076079349
Winchester,	18,139,162	.006567181082
Winthrop,	16,799,768	.006082261054
Woburn,	16,979,838	.006147454380
	\$2,762,092,559	1.000000000000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1920.	Amount of Dec. 1, 1920, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1921.
\$125,000	Jan., 1928	\$70,804 34	\$93,424 82	\$31,575 18	\$3,992 87
1,300,000	Jan., 1934	696,431 52	1,165,421 11	134,578 89	8,073 71
2,000,000	Jan., 1936	979,987 72	1,775,112 09	224,887 91	11,197 80
1,400,000	Jan., 1937	656,565 80	1,237,324 88	162,675 12	7,429 93
1,000,000	July, 1938	444,168 28	888,287 49	111,712 51	4,697 92
505,000	July, 1939	213,705 75	444,654 36	60,345 64	2,344 44
650,000	Jan., 1941	290,465 85	641,360 11	8,639 89	288 94
125,000	Jan., 1943	39,867 72	95,285 96	29,714 04	863 59
340,000	July, 1943	111,381 21	271,531 14	68,468 86	1,989 95
300,000	Jan., 1944	86,726 49	215,655 06	84,344 94	2,292 14
370,000	Jan., 1945	96,157 27	248,765 62	121,234 38	3,086 10
300,000	Jan., 1946	75,941 33	204,402 77	95,597 23	2,283 13
300,000	Jan., 1947	66,320 31	185,718 63	114,281 37	2,564 51
70,000	Jan., 1949	13,068 56	39,612 96	30,387 04	604 40
\$8,785,000	—	\$3,841,592 15	\$7,506,557 00	\$1,278,443 00	\$51,709 43

Nantasket.

\$600,000	July, 1939	\$255,347 30	\$531,297 31	\$68,702 69	\$2,669 12
100,000	Jan., 1941	36,415 08	80,405 94	19,594 06	655 27
\$700,000	—	\$291,762 38	\$611,703 25	\$88,296 75	\$3,324 39

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1920.	Amount of Dec. 1, 1920, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1921.
\$250,000	Jan., 1934	\$140,161 77	\$234,549 24	\$15,450 76	\$927 00
300,000	Jan., 1936	154,210 74	279,331 40	20,668 60	1,029 00
500,000	Jan., 1937	246,244 15	464,057 09	35,942 91	1,642 00
50,000	July, 1938	23,354 50	46,706 42	3,293 58	139 00
250,000	July, 1939	111,982 62	233,000 56	16,999 44	600 00
225,000	Jan., 1940	84,969 13	180,329 88	44,670 12	1,608 00
162,500	July, 1940	66,951 55	144,933 01	17,566 99	632 00
55,000	Jan., 1943	18,192 45	43,480 92	11,519 08	335 00
150,000	July, 1943	46,146 73	112,498 99	37,501 01	1,090 00
150,000	Jan., 1944	44,641 11	111,005 08	38,994 92	1,060 00
150,000	Jan., 1945	39,758 37	102,857 70	47,142 30	1,200 00
150,000	Jan., 1946	34,327 91	92,396 59	57,603 41	1,376 00
150,000	Jan., 1947	33,586 95	94,054 48	55,945 52	1,255 00
25,000	Jan., 1949	4,403 50	13,347 73	11,652 27	232 00
\$2,567,500	—	\$1,048,931 48	\$2,152,549 09	\$444,950 91	\$13,185 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$393 21	\$100 26	\$25 22	\$518 69
Belmont, . . .	256 31	65 35	16 44	338 10
Boston, . . .	30,969 19	7,896 60	1,986 35	40,852 14
Braintree, . . .	186 63	47 59	11 97	246 19
Brookline, . . .	1,868 62	476 47	119 85	2,464 94
Cambridge, . . .	2,816 14	718 07	180 63	3,714 84
Canton, . . .	129 80	33 10	8 33	171 23
Chelsea, . . .	744 93	189 94	47 78	982 65
Cohasset, . . .	—	—	7 78	7 78
Dedham, . . .	272 83	69 57	17 50	359 90
Dover, . . .	56 78	14 48	3 64	74 90
Everett, . . .	797 33	203 31	51 14	1,051 78
Hingham, . . .	138 21	35 24	8 87	182 32
Hull, . . .	216 30	55 15	13 87	285 32
Lynn, . . .	1,997 41	509 31	128 11	2,634 83
Malden, . . .	821 15	209 38	52 67	1,083 20
Medford, . . .	667 77	170 27	42 83	880 87
Melrose, . . .	372 21	94 91	23 87	490 99
Milton, . . .	389 06	99 20	24 96	513 22
Nahant, . . .	86 27	22 00	5 53	113 80
Needham, . . .	204 20	52 07	13 10	269 37
Newton, . . .	1,531 99	390 63	98 26	2,020 88
Quincy, . . .	974 79	248 55	62 52	1,285 86
Revere, . . .	472 11	120 38	30 28	622 77
Saugus, . . .	149 81	38 20	9 61	197 62
Somerville, . . .	1,657 32	422 59	106 30	2,186 21
Stoneham, . . .	127 67	32 55	8 19	168 41
Swampscott, . . .	277 67	70 80	17 81	366 28
Wakefield, . . .	262 11	66 83	16 81	345 75
Waltham, . . .	629 22	160 44	40 36	830 02
Watertown, . . .	546 35	139 31	35 04	720 70
Wellesley, . . .	305 96	78 02	19 62	403 60
Weston, . . .	101 84	25 97	6 53	134 34
Westwood, . . .	50 88	12 97	3 26	67 11
Weymouth, . . .	263 10	67 08	16 87	347 05
Winchester, . . .	340 38	86 79	21 83	449 00
Winthrop, . . .	315 25	80 38	20 22	415 85
Woburn, . . .	318 63	81 24	20 44	420 31
	\$51,709 43	\$13,185 00	\$3,324 39	\$68,218 82

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington,	\$2,500 77	\$895 83	\$159 31	\$3,555 91
Belmont,	1,630 09	583 94	103 85	2,317 88
Boston,	196,962 44	70,556 61	12,547 64	280,066 69
Braintree,	1,186 93	425 19	75 61	1,687 73
Brookline,	11,884 32	4,257 25	757 10	16,898 67
Cambridge,	17,910 52	6,415 97	1,141 00	25,467 49
Canton,	825 50	295 72	52 59	1,173 81
Chelsea,	4,737 72	1,697 16	301 82	6,736 70
Cohasset,	—	—	49 14	49 14
Dedham,	1,735 18	621 58	110 54	2,467 30
Dover,	361 14	129 37	23 01	513 52
Everett,	5,070 99	1,816 55	323 05	7,210 59
Hingham,	879 04	314 89	56 00	1,249 93
Hull,	1,375 65	492 79	87 64	1,956 08
Lynn,	12,703 45	4,550 68	809 28	18,063 41
Malden,	5,222 50	1,870 82	332 70	7,426 02
Medford,	4,246 96	1,521 36	270 56	6,038 88
Melrose,	2,367 27	848 01	150 81	3,366 09
Milton,	2,474 40	886 39	157 63	3,518 42
Nahant,	548 65	196 54	34 95	780 14
Needham,	1,298 71	465 23	82 74	1,846 68
Newton,	9,743 40	3,490 32	620 71	13,854 43
Quincy,	6,199 62	2,220 85	394 95	8,815 42
Revere,	3,002 57	1,075 59	191 28	4,269 44
Saugus,	952 81	341 32	60 70	1,354 83
Somerville,	10,540 48	3,775 85	671 49	14,987 82
Stoneham,	811 95	290 86	51 73	1,154 54
Swampscott,	1,766 00	632 62	112 50	2,511 12
Wakefield,	1,666 99	597 15	106 20	2,370 34
Waltham,	4,001 81	1,433 54	254 94	5,690 29
Watertown,	3,474 75	1,244 74	221 36	4,940 85
Wellesley,	1,945 91	697 07	123 96	2,766 94
Weston,	647 72	232 03	41 26	921 01
Westwood,	323 58	115 92	20 61	460 11
Weymouth,	1,673 28	599 41	106 60	2,379 29
Winchester,	2,164 81	775 49	137 91	3,078 21
Winthrop,	2,004 96	718 22	127 73	2,850 91
Woburn,	2,026 45	725 92	129 10	2,881 47
	\$328,869 32	\$117,808 78	\$21,000 00	\$467,678 10

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington,	\$7,367 28	\$25 72	\$485 39	\$1,875 86	\$9,754 25
Belmont,	4,467 05	16 77	316 40	1,222 76	6,022 98
Boston,	409,478 88	2,025 90	38,230 01	147,744 63	597,479 42
Braintree,	3,903 71	12 21	230 38	890 33	5,036 63
Brookline,	22,961 86	122 24	2,306 72	8,914 61	34,305 43
Cambridge,	47,092 59	184 22	3,476 39	13,434 96	64,188 16
Canton,	2,380 79	8 49	160 23	619 22	3,168 73
Chelsea,	15,807 38	48 73	919 58	3,553 84	20,329 53
Cohasset,	—	—	149 71	—	149 71
Dedham,	4,601 32	17 85	336 79	1,301 58	6,257 54
Dover,	631 53	3 71	70 10	270 90	976 24
Everett,	15,476 38	52 16	984 27	3,803 83	20,316 64
Hingham,	2,363 37	9 04	170 62	659 38	3,202 41
Hull,	2,043 42	14 15	267 01	1,031 89	3,356 47
Lynn,	38,449 20	130 66	2,465 71	9,529 06	50,574 63
Malden,	17,779 63	53 72	1,013 68	3,917 48	22,764 51
Medford,	14,247 35	43 68	824 33	3,185 71	18,301 07
Melrose,	7,100 61	24 35	459 48	1,775 73	9,360 17
Milton,	5,140 89	25 45	480 28	1,856 09	7,502 71
Nahant,	959 63	5 64	106 49	411 55	1,483 31
Needham,	3,191 96	13 36	252 08	974 18	4,431 58
Newton,	22,397 69	100 22	1,891 17	7,308 68	31,697 76
Quincy,	18,643 42	63 77	1,203 33	4,650 43	24,560 95
Revere,	10,362 09	30 88	582 79	2,252 28	13,228 04
Saugus,	3,696 75	9 80	184 94	714 72	4,606 21
Somerville,	34,462 42	108 42	2,045 89	7,906 58	44,523 31
Stoneham,	2,820 72	8 35	157 60	609 06	3,595 73
Swampscott,	4,001 35	18 16	342 78	1,324 71	5,687 00
Wakefield,	5,048 85	17 15	323 56	1,250 43	6,639 99
Waltham,	12,036 89	41 16	776 74	3,001 82	15,856 61
Watertown,	9,177 80	35 74	674 44	2,606 47	12,494 45
Wellesley,	3,769 95	20 02	377 70	1,459 66	5,627 33
Weston,	1,304 59	6 66	125 72	485 86	1,922 83
Westwood,	703 29	3 33	62 81	242 73	1,012 16
Weymouth,	5,536 82	17 21	324 78	1,255 16	7,133 97
Winchester,	5,036 11	22 27	420 19	1,623 86	7,102 43
Winthrop,	6,020 51	20 62	389 16	1,503 95	7,934 24
Woburn,	6,312 64	20 84	393 33	1,520 07	8,246 88
	\$776,776 72	\$3,382 65	\$63,982 58	\$246,690 06	\$1,090,832 01

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$134 97	\$244 81	\$379 78
Belmont,	87 98	159 57	247 55
Boston,	10,630 62	19,281 09	29,911 71
Braintree,	64 06	116 19	180 25
Brookline,	641 43	1,163 38	1,804 81
Cambridge,	966 68	1,753 30	2,719 98
Canton,	44 56	80 81	125 37
Chelsea,	255 71	463 79	719 50
Dedham,	93 65	169 86	263 51
Dover,	19 49	35 35	54 84
Everett,	273 70	496 41	770 11
Hingham,	47 44	86 05	133 49
Hull,	74 25	134 67	208 92
Lynn,	685 64	1,243 57	1,929 21
Malden,	281 87	511 24	793 11
Medford,	229 22	415 75	644 97
Melrose,	127 77	231 74	359 51
Milton,	133 55	242 23	375 78
Nahant,	29 61	53 71	83 32
Needham,	70 10	127 13	197 23
Newton,	525 88	953 80	1,479 68
Quincy,	334 61	606 89	941 50
Revere,	162 06	293 93	455 99
Saugus,	51 43	93 27	144 70
Somerville,	568 90	1,031 83	1,600 73
Stoneham,	43 82	79 48	123 30
Swampscott,	95 32	172 88	268 20
Wakefield,	89 97	163 18	253 15
Waltham,	215 99	391 75	607 74
Watertown,	187 54	340 15	527 69
Wellesley,	105 03	190 49	295 52
Weston,	34 96	63 41	98 37
Westwood,	17 46	31 68	49 14
Weymouth,	90 31	163 80	254 11
Winchester,	116 84	211 92	328 76
Winthrop,	108 21	196 27	304 48
Woburn,	109 37	198 37	307 74
	\$17,750 00	\$32,193 75	\$49,943 75

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent,	\$201,250 00	
Previously assessed,	57,500 00	
	<hr/>	
Outstanding,	\$143,750 00	
Serial bonds due Jan. 1, 1922,		\$11,500 00
Interest:—		
One year on \$143,750,	\$5,750 00	
Six months on \$11,500,	230 00	
	<hr/>	
	\$5,980 00	
Less interest on average balance in fund, 57½ per cent,	3,320 32	
	<hr/>	
		2,659 68
		<hr/>
		\$14,159 68

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston,	20	\$4,000 00	\$925 11	\$4,925 11
City of Quincy,	15	3,000 00	693 83	3,693 83
County of Norfolk,	5	1,000 00	231 27	1,231 27
County of Plymouth,	2½	500 00	115 64	615 64
Bay State Street Railway Company, .	15	3,000 00	693 83	3,693 83
	57½	\$11,500 00	\$2,659 68	\$14,159 68

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 368, Special Acts of 1915.]

Bonds issued, 50 per cent,	\$25,000 00	
Previously assessed,	15,000 00	
Outstanding,	\$10,000 00	
Serial bonds due Jan. 1, 1922,		\$3,000 00
Interest: —		
One year on \$10,000,	\$400 00	
Six months on \$3,000,	60 00	
		460 00
		\$3,460 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton,	25	\$1,500 00	\$230 00	\$1,730 00
Town of Weston,	10	600 00	92 00	692 00
County of Middlesex,	15	900 00	138 00	1,038 00
	50	\$3,000 00	\$460 00	\$3,460 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent,	.	.	.	.	\$66,125 00	
Previously assessed,	.	.	.	.	39,675 00	
Outstanding,	.	.	.	.	\$26,450 00	
Serial bonds due Jan. 1, 1922,	.	.	.	.		\$6,612 50
Interest:—						
One year on \$26,450,	.	.	.	.	\$1,058 00	
Six months on \$6,612.50,	.	.	.	.	132 25	
						1,190 25
						\$7,802 75

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden,	13	\$1,495 00	\$269 10	\$1,764 10
Medford,	16	1,840 00	331 20	2,171 20
Somerville,	11	1,265 00	227 70	1,492 70
Stoneham,	2½	287 50	51 75	339 25
Boston Elevated Railway Company, .	15	1,725 00	310 50	2,035 50
	57½	\$6,612 50	\$1,190 25	\$7,802 75

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden,	15.2941	\$2,069 39
Medford,	18.8235	2,546 94
Somerville,	12.9412	1,751 02
Stoneham,	2.9412	397 96
	50.0000	° \$6,765 31

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907 and Chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent).
Arlington,	\$1,636 79	\$587 24	\$2,224 03	24
Belmont,	1,159 39	415 96	1,575 35	17
Cambridge,	3,205 38	1,150 00	4,355 38	47
Somerville,	818 39	293 62	1,112 01	12
	\$6,819 95	\$2,446 82	\$9,266 77	100

¹ This table includes the eleventh assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the eighth assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1921:—

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	754,500 00	
	<hr/>	\$7,317,500 00

a decrease for the year of \$26,500.

Sinking fund, April 1, 1921,	3,275,894 49	
	<hr/>	

an increase for the year of \$284,448.07.

Net sewerage, north system, debt, April 1, 1921,	\$4,041,605 51	
--	----------------	--

a decrease for the year of \$310,948.07.

Assessments, North System.

Sinking fund requirements,	\$145,759 10	
Serial bonds,	24,000 00	
Interest:—		
One year on \$7,275,000,	\$230,935 00	
Four months on \$14,000,	186 67	
Interest on advances and temporary loans, estimated, 1921,	3,000 00	
Adjustment of interest charges in 1920,	1,757 27	
	<hr/>	235,878 94
Maintenance as appropriated by Legislature,	\$385,364 77	
Less balance on hand,	520 67	
	<hr/>	384,844 10
Total north metropolitan sewerage assessment,	\$790,482 14	

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued,	\$62,000 00	
Previously assessed,	22,000 00	
	<hr/>	
Outstanding,	\$40,000 00	

Assessment for 1921 is made up as follows:—

Serial bonds due Jan. 1, 1922,	\$2,000 00	
Interest:—		
One year on \$40,000,	\$1,400 00	
Four months on \$2,000,	23 33	
	<hr/>	1,423 33
	<hr/>	\$3,423 33

Everett and Malden, one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued,	\$5,500 00	
Previously assessed,	3,000 00	
	<hr/>	
Outstanding,	\$2,500 00	
Assessment for 1921 is made up as follows: —		
Serial bond due Jan. 1, 1922,	\$500 00	
Interest: —		
One year on \$2,500,	\$100 00	
Four months on \$500,	6 66	
	<hr/>	
	106 66	
	<hr/>	
		\$606 66

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1921: —

Bonds outstanding (sinking fund),	\$8,877,912 00	
Bonds outstanding (serial),	\$55,000 00	
	<hr/>	
		\$9,732,912 00

a decrease for the year of \$27,000.

Sinking fund, April 1, 1921,	1,980,484 41	
	<hr/>	

an increase for the year of \$204,324.46.

Net sewerage, south system, debt, April 1, 1921,	\$7,752,427 59	
--	----------------	--

a decrease for the year of \$231,324.46.

Assessments, South System.

Sinking fund requirements,	\$120,029 44	
Serial bonds,	27,000 00	
Interest: —		
One year on \$9,732,912,	\$337,022 36	
Interest on advances and temporary loans, estimated, 1921,	5,000 00	
Adjustment of interest charges in 1920,	235 12	
	<hr/>	
		342,257 48
Maintenance as appropriated by Legislature,	\$204,261 32	
Less balance on hand,	354 66	
	<hr/>	
		203,906 66
	<hr/>	
Total south metropolitan sewerage assessment,		\$693,193 58

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington,	\$4,635 14	\$763 20	\$7,500 95	\$11,506 84	\$24,406 13
Belmont,	3,017 21	496 80	4,882 70	6,619 32	15,016 03
Boston,	20,537 46	3,381 60	33,235 34	60,074 17	117,228 57
Cambridge,	33,145 62	5,457 60	53,638 87	67,694 08	159,936 17
Chelsea,	8,774 70	1,444 80	14,199 91	26,631 21	51,050 62
Everett,	9,386 89	1,545 60	15,190 61	24,745 48	50,868 58
Lexington,	1,311 83	216 00	2,122 91	3,001 78	6,652 52
Malden,	9,663 83	1,591 20	15,638 77	30,287 23	57,181 03
Medford,	7,856 41	1,293 60	12,713 88	24,091 24	45,955 13
Melrose,	4,387 35	722 40	7,099 96	11,237 45	23,447 16
Reading, ¹	1,924 02	316 80	3,113 60	4,579 64	9,934 06
Revere,	5,553 42	914 40	8,986 99	17,779 80	33,234 61
Somerville,	19,502 57	3,211 20	31,560 60	57,457 22	111,731 59
Stoneham,	1,501 32	247 20	2,429 55	4,849 04	9,027 11
Wakefield,	3,090 09	508 80	5,000 63	8,043 24	16,642 76
Winchester,	4,008 37	660 00	6,486 67	6,465 38	17,620 42
Winthrop,	3,716 86	612 00	6,014 91	9,544 13	19,887 90
Woburn,	3,746 01	616 80	6,062 09	10,236 85	20,661 75
	\$145,759 10	\$24,000 00	\$235,878 94	\$384,844 10	\$790,482 14 ²

¹ Reading is also assessed \$7,000 for sinking fund requirements in accordance with section 5, chapter 159, General Acts of 1916.

² Exclusive of \$4,029.99, special assessments on Everett, Malden and Revere, which are included on page 7.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1920.	Amount of Dec. 1, 1920, Sinking Fund at Ma- turity of Loan. Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1921.
\$5,330,000 (3,531,125)	Jan., 1930 Sunk.	\$2,906,626 52	\$4,151,378 39	\$4,709,746 61	\$176,615 49	\$128,654 81
265,000 (175,563)	Jan., 1930 Sunk.	133,067 74	190,053 49	250,509 51	9,394 10	7,104 94 ¹
200,000 (116,750)	Jan., 1930 Sunk.	101,540 68	145,025 09	171,724 91	7,942 27	5,461 98 ²
250,000 (64,583)	July, 1943 Sunk.	32,933 05	80,285 97	234,297 03	3,904 95	1,666 51
50,000 (12,917)	Jan., 1943 Sunk.	6,678 22	15,961 30	46,955 70	782 59	340 66
55,000 (14,208)	July, 1943 Sunk.	9,376 59	22,858 75	46,349 25	772 48	329 67
300,000 (47,500)	Jan., 1949 Sunk.	23,463 68	71,122 29	276,377 71	4,606 29	1,581 03
113,000 (17,892)	Jan., 1949 Sunk.	7,454 87	22,596 94	108,295 06	1,804 91	619 50
\$6,563,000 (3,980,538)	- Sunk.	\$3,221,141 35	\$4,699,282 22	\$5,844,255 78	\$205,823 08	\$145,759 10

¹ This amount, \$7,104.94, is made up of \$6,843.09 sinking fund requirement plus \$261.85, which should have been assessed in 1920.

² This amount, \$5,461.98, is made up of \$5,785.51 sinking fund requirement less \$323.53, which should not have been assessed in 1920.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1921.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{3}{80}$	$\frac{27}{80}$	$\frac{3}{80}$
265,000	1930	$\frac{70}{240} + \frac{1}{3} + \frac{3}{80}$	$\frac{27}{80}$	$\frac{3}{80}$
200,000	1930	$\frac{49}{240} + \frac{1}{3} + \frac{111}{2400}$	$\frac{299}{2400}$	$\frac{111}{2400}$
300,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{2}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{2}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
300,000	1949	$\frac{1}{8} + \frac{2}{60}$	$\frac{8}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
113,000	1949	$\frac{1}{8} + \frac{2}{60}$	$\frac{8}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1919 and the Census Returns of 1920. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1919, Chapter 343.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Arlington, . . .	\$20,954,167	3.18	18,665	2.99
Belmont, . . .	13,658,727	2.07	10,749	1.72
Boston:—				
Charlestown, }	92,960,800	14.09	97,323	15.61
East Boston, }				
Cambridge, . . .	150,074,048	22.74	109,694	17.59
Chelsea, . . .	39,697,831	6.02	43,184	6.92
Everett, . . .	42,490,326	6.44	40,120	6.43
Lexington, . . .	5,944,700 ¹	0.90	4,850 ²	0.78
Malden, . . .	43,759,862	6.63	49,103	7.87
Medford, . . .	35,585,712	5.39	39,038	6.26
Melrose, . . .	19,835,595	3.01	18,204	2.92
Reading, . . .	8,690,009	1.32	7,439	1.19
Revere, . . .	25,158,868	3.81	28,823	4.62
Somerville, . . .	88,319,796	13.38	93,091	14.93
Stoneham, . . .	6,803,432	1.03	7,873	1.26
Wakefield, . . .	13,967,851	2.12	13,025	2.09
Winchester, . . .	18,139,162	2.75	10,485	1.68
Winthrop, . . .	16,799,768	2.55	15,455	2.48
Woburn, . . .	16,979,838	2.57	16,574	2.66
	\$659,820,492	100.00	623,695	100.00

¹ 66.67 per cent of the town valuation, derived from figures certified by the board of assessors.

² After deducting 1,500, population of outer area.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Mainte- nance.	Total.
Boston,	\$57,098 01	\$12,843 90	\$162,811 88	\$114,106 17	\$346,859 96
Brookline,	18,076 43	4,066 20	51,543 98	16,129 02	89,815 63
Dedham,	2,520 62	567 00	7,187 41	4,485 95	14,760 98
Milton,	3,756 92	845 10	10,712 66	4,016 96	19,331 64
Newton,	14,823 64	3,334 50	42,268 80	19,676 99	80,103 93
Quincy,	9,434 31	2,122 20	26,901 44	20,451 84	58,909 79
Waltham,	6,085 49	1,368 90	17,352 45	13,213 15	38,019 99
Watertown,	5,281 30	1,188 00	15,059 33	9,175 80	30,704 43
Wellesley,	2,952 72	664 20	8,419 53	2,650 78	14,687 23
	\$120,029 44	\$27,000 00	\$342,257 48	\$203,906 66	\$693,193 58

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1920.	Amount of Dec. 1, 1920, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1921.
\$800,000 (330,000)	Jan., 1930 Sunk.	\$438,443 90	\$626,205 85	\$703,794 15	\$26,392 27	\$19,225 33
839,000 (412,508)	Mar., 1935 Sunk.	283,989 09	494,431 87	757,076 13	25,235 87	15,080 43
65,000 (29,792)	Mar., 1936 Sunk.	19,792 69	35,851 71	58,940 29	1,964 67	1,128 45
1,024,912 (367,260)	July, 1939 Sunk.	219,373 95	456,448 10	935,723 90	31,190 79	15,596 25
3,586,000 (1,165,450)	July, 1940 Sunk.	668,659 50	1,447,477 13	3,303,972 87	110,132 42	52,930 84
996,000 (257,300)	Jan., 1943 Sunk.	133,651 76	319,434 80	933,865 20	15,564 42	6,775 25
392,000 (94,733)	July, 1944 Sunk.	45,661 84	115,814 11	370,918 89	6,181 98	2,535 82
175,000 (36,458)	Jan., 1946 Sunk.	24,214 45	65,175 32	146,282 68	2,438 04	942 39
1,000,000 (208,333)	Jan., 1946 Sunk.	113,595 50	305,752 28	902,580 72	15,043 01	5,814 68
\$8,877,912 (3,101,834)	- Sunk.	\$1,947,382 68	\$3,866,591 17	\$8,113,154 83	\$234,143 47	\$120,029 44

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1921.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{3}{80}$	$\frac{27}{80}$	$\frac{3}{80}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{5}{30}$	$\frac{1}{30} + \frac{2}{3}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6} + \frac{5}{30}$	$\frac{5}{30} + \frac{2}{3}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{1}{6} + \frac{2}{30}$	$\frac{8}{30} + \frac{2}{3}$	$\frac{1}{30}$
3,586,000	1940	$\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$	$\frac{3}{30} + \frac{1}{3}$	$\frac{1}{30}$
996,000	1943	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{7}{60}$	$\frac{3}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
175,000	1946	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$
1,000,000	1946	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{2}{3}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1919 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, General Acts of 1919, Chapter 343.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population Massachusetts Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Waltham,	\$33,531,618	5.07	30,915	6.48
Watertown,	29,115,299	4.40	21,457	4.50
Newton,	81,640,920	12.35	46,054	9.65
Boston,	314,539,900	47.57	267,093	55.96
Brighton,	\$59,700,800		42,102	
Back Bay,	68,956,700		25,811	
Roxbury,	47,922,600		53,515	
West Roxbury,	42,503,400		42,534	
Dorchester,	75,651,500		84,922	
Hyde Park,	19,804,900		18,209	
Brookline,	99,579,927	15.06	37,748	7.91
Dedham,	13,878,200 ¹	2.10	10,497 ²	2.20
Milton,	20,733,252	3.13	9,382	1.97
Quincy,	51,947,249	7.86	47,876	10.03
Wellesley,	16,305,003	2.46	6,224	1.30
	\$661,271,368	100.00	477,246	100.00

¹ 95.45 per cent of the town valuation, derived from figures certified by the chairman of the board of assessors.

² After deducting 295, population of outer area.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1920 and 1921.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1920.	1921.	1920.	1921.
Arlington, . . .	\$15,249 54	\$16,432 66	\$18,945 58	\$24,406 13
Belmont, . . .	9,788 98	10,501 86	11,661 00	15,016 03
Boston, . . .	\$84,913 01	953,235 07	421,303 04	464,088 53
Braintree, . . .	6,495 22	7,150 80	—	—
Brookline, . . .	51,558 84	55,473 85	85,939 62	89,815 63
Cambridge, . . .	92,606 16	100,445 85	136,545 79	159,936 17
Canton, . . .	4,238 07	4,639 14	—	—
Chelsea, . . .	26,114 45	28,768 38	42,296 59	51,050 62
Cohasset, . . .	216 33	206 63	—	—
Dedham, . . .	8,571 45	9,348 25	14,579 76	14,760 98
Dover, . . .	1,511 41	1,619 50	—	—
Everett, . . .	26,745 57	29,349 12	43,309 83	52,580 25
Hingham, . . .	4,369 33	4,768 15	—	—
Hull, . . .	5,454 58	5,806 79	—	—
Lexington, . . .	—	—	5,254 64	6,652 52
Lynn, . . .	66,732 66	73,202 08	—	—
Malden, . . .	33,243 89	35,900 33	48,786 65	58,892 69
Medford, . . .	28,595 07	30,583 93	34,344 10	45,955 13
Melrose, . . .	12,381 78	13,576 76	19,111 76	23,447 16
Milton, . . .	11,035 84	11,910 13	18,537 12	19,331 64
Nahant, . . .	2,296 33	2,460 57	—	—
Needham, . . .	6,204 88	6,744 86	—	—
Newton, . . .	47,046 06	50,782 75	76,861 69	80,103 93
Quincy, . . .	37,146 33	39,297 56	54,305 19	58,909 79
Reading, . . .	—	—	12,266 29	16,934 06
Revere, . . .	16,837 78	18,576 24	26,431 96	33,841 27
Saugus, . . .	5,684 56	6,303 36	—	—
Somerville, . . .	62,170 94	67,653 80	89,939 26	111,731 59
Stoneham, . . .	5,368 97	5,779 19	7,263 45	9,027 11
Swampscott, . . .	8,154 02	8,832 60	—	—
Wakefield, . . .	8,759 73	9,609 23	13,847 34	16,642 76
Waltham, . . .	20,959 06	22,984 66	36,630 74	38,019 99
Watertown, . . .	17,134 15	18,683 69	27,861 53	30,704 43
Wellesley, . . .	8,450 67	9,093 39	18,583 73	14,687 23
Weston, . . .	3,570 45	3,768 55	—	—
Westwood, . . .	1,469 09	1,588 52	—	—
Weymouth, . . .	9,181 66	10,114 42	—	—
Winchester, . . .	10,105 02	10,958 40	15,193 51	17,620 42
Winthrop, . . .	10,492 30	11,505 48	15,538 04	19,887 90
Woburn, . . .	10,794 97	11,856 40	17,157 65	20,661 75
	\$1,581,652 15	\$1,709,512 95	\$1,312,495 86	\$1,494,705 71

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1921: —

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	283,000 00	
	<hr/>	\$4,408,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1921,	<hr/>	1,212,098 84
--	-------	--------------

an increase for the year of \$86,585.51.

Net Charles River Basin debt, April 1, 1921,	\$3,195,901 16
--	----------------

a decrease for the year of \$96,585.51.

*Total Charles River Basin Assessment for 1921.**District.*

Serial bonds,		\$10,000 00
Interest: —		
One year on \$4,125,000,	\$142,250 00	
Six months on \$293,000,	5,290 00	
Six months on \$283,000,	5,110 00	
Interest on advances and tempo- rary loans, estimated, 1921,	5,000 00	
Adjustment of interest charges in 1920,	98 39	
	<hr/>	\$157,748 39
Less interest on bridge,	41,381 82	
	<hr/>	116,366 57
Maintenance as appropriated by Legislature,	\$201,400 00	
Less balance on hand,	14,581 24	
	<hr/>	186,818 76
	<hr/>	<hr/>
Total Charles River Basin district assessment,		\$313,185 33

Charles River Bridge.

Sinking fund,	\$8,674 13
Interest,	41,381 82
	<hr/>
	\$50,055 95

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1920.	Amount of Dec. 1, 1920, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Sinking Fund Require- ments for 1921.
\$177,272 73	Jan., 1944	\$198,839 48	\$494,436 48	-	-
283,636 36	Jan., 1945	341,074 22	882,383 00	-	-
425,454 55	Jan., 1946	330,316 85	889,076 86	-	-
815,454 55	Jan., 1947	425,955 57	1,192,815 37	-	-
283,636 36	Jan., 1948	104,326 04	303,949 89	-	-
602,727 28	Jan., 1949	131,315 12	398,037 82	-	-
336,818 17	Jan., 1950	16,909 39	53,325 86	-	-
\$2,925,000 00	-	\$1,548,736 67 ¹	\$4,214,025 28	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$25,883 25	\$64,361 58	\$8,365 69	\$227 34
116,363 64	Jan., 1945	42,110 38	108,942 51	7,421 13	188 91
174,545 45	Jan., 1946	49,897 38	134,303 18	40,242 27	961 10
334,545 45	Jan., 1947	79,395 03	222,332 13	112,213 32	2,518 10
116,363 64	Jan., 1948	23,854 96	69,500 50	46,863 14	989 44
247,272 72	Jan., 1949	42,887 40	129,998 79	117,273 93	2,332 58
138,181 83	Jan., 1950	19,193 97	60,530 57	77,651 26	1,456 66
\$1,200,000 00	-	\$283,222 37	\$789,969 26	\$410,030 74	\$8,674 13

¹ Includes \$640,819.02 balance of cost of embankment, which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportion of Serial Bonds, Interest and Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 343, General Acts of 1919).	Per Cent.
Arlington,	\$20,954,167	.007604129949
Belmont,	13,658,727	.004956662560
Boston,	1,650,368,499	.598907917960
Braintree,	9,945,392	.003609117612
Brookline,	99,579,927	.036136903235
Cambridge,	150,074,048	.054460888997
Canton,	6,916,966	.002510121654
Chelsea,	39,697,831	.014406082839
Dedham,	14,539,216	.005276186251
Dover,	3,026,036	.001098128643
Everett,	42,490,326	.015419460983
Hingham,	7,365,555	.002672911663
Hull,	11,526,682	.004182957395
Lynn,	106,443,504	.038627650370
Malden,	43,759,862	.015880167282
Medford,	35,585,712	.012913821789
Melrose,	19,835,595	.007198207497
Milton,	20,733,252	.007523961343
Nahant,	4,597,237	.001668307194
Needham,	10,882,037	.003949019947
Newton,	81,640,920	.029626955099
Quincy,	51,947,249	.018851316395
Revere,	25,158,868	.009129988401
Saugus,	7,983,680	.002897225177
Somerville,	88,319,796	.032050675452
Stoneham,	6,803,432	.002468920909
Swampscott,	14,797,505	.005369917637
Wakefield,	13,967,851	.005068841635
Waltham,	33,531,618	.012168404532
Watertown,	29,115,299	.010565751295
Wellesley,	16,305,003	.005916978787
Weston,	5,427,288	.001969527265
Westwood,	2,711,339	.000983927163
Weymouth,	14,020,601	.005087984264
Winchester,	18,139,162	.006582583074
Winthrop,	16,799,768	.006096525764
Woburn,	16,979,838	.006161871988
	\$2,755,629,788	1.000000000000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest.	Maintenance.	Serial Bonds.	Total.
Arlington,	\$884 87	\$1,420 59	\$76 04	\$2,381 50
Belmont,	576 79	926 00	49 57	1,552 36
Boston,	69,692 86	111,887 24	5,989 08	187,569 18
Braintree,	419 98	674 25	36 09	1,130 32
Brookline,	4,205 13	6,751 05	361 37	11,317 55
Cambridge,	6,337 43	10,174 33	544 61	17,056 37
Canton,	292 09	468 94	25 10	786 13
Chelsea,	1,676 39	2,691 33	144 06	4,511 78
Dedham,	613 97	985 69	52 76	1,652 42
Dover,	127 78	205 15	10 98	343 91
Everett,	1,794 31	2,880 64	154 19	4,829 14
Hingham,	311 04	499 35	26 73	837 12
Hull,	486 76	781 45	41 83	1,310 04
Lynn,	4,494 97	7,216 37	386 28	12,097 62
Malden,	1,847 92	2,966 71	158 80	4,973 43
Medford,	1,502 74	2,412 54	129 14	4,044 42
Melrose,	837 63	1,344 76	71 98	2,254 37
Milton,	875 54	1,405 62	75 24	2,356 40
Nahant,	194 13	311 67	16 68	522 48
Needham,	459 53	737 75	39 49	1,236 77
Newton,	3,447 59	5,534 87	296 27	9,278 73
Quincy,	2,193 66	3,521 78	188 51	5,903 95
Revere,	1,062 42	1,705 65	91 30	2,859 37
Saugus,	337 14	541 26	28 97	907 37
Somerville,	3,729 63	5,987 67	320 51	10,037 81
Stoneham,	287 30	461 24	24 69	773 23
Swampscott,	624 88	1,003 20	53 70	1,681 78
Wakefield,	589 84	946 95	50 69	1,587 48
Waltham,	1,415 99	2,273 29	121 68	3,810 96
Watertown,	1,229 50	1,973 88	105 66	3,309 04
Wellesley,	688 54	1,105 40	59 17	1,853 11
Weston,	229 19	367 94	19 69	616 82
Westwood,	114 50	183 82	9 84	308 16
Weymouth,	592 07	950 53	50 88	1,593 48
Winchester,	765 99	1,229 75	65 83	2,061 57
Winthrop,	709 43	1,138 95	60 97	1,909 35
Woburn,	717 04	1,151 15	61 62	1,929 81
	\$116,366 57	\$186,818 76	\$10,000 00	\$313,185 33 ¹

¹ Exclusive of \$50,055.95, special assessments on Boston and Cambridge, and \$25,475.98, embankment interest on Boston, which are included on page 7.

Analysis of Charles River Basin Debt, July 1, 1921.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,408,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,360,363 57
Sinking fund, . .	1,222,300 69	145,232 39	145,232 39	207,518 87	724,317 04
	\$3,185,699 31	\$454,767 61	\$454,767 61	\$640,117 56	\$1,636,046 53

STATEMENT OF THE DEBTS OF THE METROPOLITAN

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (Sinking Fund).		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (Serial).		181,750 00		-		809,600 00	
Gross debt,		\$8,966,750 00		\$700,000 00		\$3,377,100 00	
Sinking funds, July 1, 1921.		3,939,774 79		299,219 19		1,076,064 75	
Net debt,		\$5,026,975 21 5,016,975 21 ²		\$400,780 81		\$2,301,035 25 2,130,835 25 ²	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . .	.007604129949	\$38,149 73	.007586377732	\$3,040 46	.007604129949	\$16,203 15
2	Belmont, . . .	.004956662560	24,867 45	.004945064913	1,981 89	.004956662560	10,561 83
3	Boston, . . .	.598907917960	3,004,706 18	.597506587396	239,469 18	.598907917960	1,326,174 10
4	Braintree, . . .	.003609117612	18,106 85	.003600672964	1,443 08	.003609117612	7,690 44
5	Brookline, . . .	.036136903235	181,297 95	.036052349758	14,449 09	.036136903235	77,001 79
6	Cambridge, . . .	.054460888997	273,228 93	.054333460879	21,775 81	.054460888997	116,047 18
7	Canton, . . .	.002510121654	12,593 22	.002504248446	1,003 66	.002510121654	5,348 66
8	Chelsea, . . .	.014406082839	72,274 96	.014372375347	5,760 17	.014406082839	30,696 99
9	Cohasset, . . .	-	-	.002339809714	937 75	-	-
10	Dedham, . . .	.005276186251	26,470 50	.005263840979	2,109 65	.005276186251	11,242 68
11	Dover, . . .	.001098128643	5,509 28	.001095559231	439 08	.001098128643	2,339 93
12	Everett, . . .	.015419460983	77,359 05	.015383832379	6,165 36	.015419460983	32,856 33
13	Hingham, . . .	.002672911663	13,409 93	.002666657559	1,068 75	.002672911663	5,695 53
14	Hull, . . .	.004182957395	20,985 79	.004173170071	1,672 53	.004182957395	8,913 19
15	Lexington, . . .	-	-	-	-	-	-
16	Lynn, . . .	.038627650370	193,793 96	.038537269018	15,445 00	.038627650370	82,309 16
17	Malden, . . .	.015880167282	79,670 41	.015843010712	6,349 57	.015880167282	39,818 02
18	Medford, . . .	.012913821789	64,788 32	.012883605904	5,163 50	.012913821789	34,877 23
19	Melrose, . . .	.007198207497	36,113 23	.007181365062	2,878 15	.007198207497	15,338 19
20	Milton, . . .	.007523961343	37,747 53	.007506356705	3,008 40	.007523961343	16,032 32
21	Nahant, . . .	.001668307194	8,369 86	.001664403673	667 06	.001668307194	3,554 89
22	Needham, . . .	.003949019947	19,812 14	.003939779992	1,578 99	.003949019947	8,414 71
23	Newton, . . .	.029626955099	153,637 70	.029557633662	11,816 13	.029626955099	63,130 16
24	Quincy, . . .	.018851316395	94,576 59	.018807207301	7,537 57	.018851316395	77,669 05
25	Reading, . . .	-	-	-	-	-	-
26	Revere, . . .	.009129988101	45,804 93	.009108625965	3,650 56	.009129988101	19,454 50
27	Saugus, . . .	.002897225177	14,535 31	.002890446221	1,158 44	.002897225177	6,173 51
28	Somerville, . . .	.032050675452	160,797 44	.031975682970	12,815 24	.032050675452	73,354 71
29	Stoneham, . . .	.002468920909	12,386 51	.002463144103	987 18	.002468920909	6,410 86
30	Swampscott, . . .	.005369917637	26,910 74	.005357353052	2,147 12	.005369917637	11,442 41
31	Wakefield, . . .	.005068814635	25,420 25	.005056981511	2,026 74	.005068814635	10,800 87
32	Waltham, . . .	.012168404532	61,048 58	.012139932781	4,865 45	.012168404532	25,928 87
33	Watertown, . . .	.010565751295	53,008 11	.010511029447	4,224 64	.010565751295	22,543 87
34	Wellesley, . . .	.005916978787	29,685 34	.005903134182	2,365 86	.005916978787	12,608 11
35	Weston, . . .	.001969527265	11,881 07	.001964918946	787 50	.001969527265	4,196 74
36	Westwood, . . .	.000983927163	4,936 34	.000981624960	393 42	.000983927163	2,096 59
37	Weymouth, . . .	.005087984264	25,526 29	.005076079349	2,034 10	.005087984264	10,841 66
38	Winchester, . . .	.006582583074	33,024 66	.006567181082	2,632 00	.006582583074	14,026 40
39	Winthrop, . . .	.006096525764	30,586 12	.006082261054	2,437 65	.006096525764	12,990 69
40	Woburn, . . .	.006161871988	30,913 96	.006147451380	2,463 78	.006161871988	13,129 93
		1.000000000000	\$5,023,975 21 ²	1.000000000000	\$400,780 81	1.000000000000	\$2,237,885 25 ⁴

¹ See page 11 for details.² District proportion.

DISTRICT (CHAPTER 526, ACTS OF 1911).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
754,500 00		855,000 00		1,284,000 00		283,000 00		TOTAL.	
\$7,317,500 00		\$9,732,912 00		\$42,682,000 00		\$4,408,000 00			
3,303,541 68		1,997,153 51		17,451,169 37		1,222,300 69			
\$4,013,958 32 3,971,458 32 ²		\$7,735,758 49		\$25,230,830 63		\$3,185,699 31 ¹ 1,636,046 53 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0318	\$126,292 37	-	-	.009368	\$236,362 42	.007604129949	\$12,440 71	\$432,488 84	1
.0207	82,209 19	-	-	.005607	141,469 27	.004956662560	8,109 33	269,198 96	2
.1409	559,578 48	.4757	\$3,679,900 31	.744765	18,791,039 58	.598907917960	2,074,726 39	29,675,594 22	3
-	-	-	-	-	-	.003609117612	5,904 68	33,145 05	4
-	-	.1506	1,165,005 23	-	-	.036136903235	59,121 66	1,496,875 72	5
.2274	903,109 62	-	-	-	-	.054460888997	543,868 16	1,858,029 70	6
-	-	-	-	-	-	.002510121654	4,106 68	23,052 22	7
.0602	239,081 79	-	-	.023956	604,429 78	.014406082839	23,569 02	975,812 71	8
-	-	-	-	-	-	-	-	937 75	9
-	-	.0210	162,450 93	-	-	.005276186251	8,632 09	210,905 85	10
-	-	-	-	-	-	.001098128643	1,796 59	10,084 88	11
.0644	275,761 92	-	-	.024603	620,754 13	.015419460933	25,226 96	1,038,123 75	12
-	-	-	-	-	-	.002672911663	4,373 01	24,547 22	13
-	-	-	-	-	-	.004182957395	6,843 51	38,415 02	14
.0090	35,743 12	-	-	.003808	96,079 00	-	-	131,822 12	15
-	-	-	-	-	-	.038627650370	63,196 63	354,744 75	16
.0663	283,307 69	-	-	.021721	548,038 87	.015880167282	25,980 69	983,165 25	17
.0539	214,061 60	-	-	.015347	387,217 56	.012913821789	21,127 61	727,235 82	18
.0301	119,540 90	-	-	.009162	231,164 87	.007198207497	11,776 60	416,811 94	19
-	-	.0313	242,129 24	.005650	142,554 19	.007523961343	12,309 55	453,781 23	20
-	-	-	-	.001673	42,211 18	.001668307194	2,729 43	57,532 42	21
-	-	-	-	-	-	.003949019947	6,460 78	36,266 62	22
-	-	.1235	955,366 17	.002750	69,384 78	.029626955099	48,471 08	1,301,836 02	23
-	-	.0786	608,030 62	.032433	818,311 53	.018851316395	30,841 63	1,636,966 99	24
.0132	52,423 25	-	-	-	-	-	-	52,423 25	25
.0381	153,812 56	-	-	.014898	375,888 31	.009129988401	14,937 09	613,548 55	26
-	-	-	-	-	-	.002897225177	4,739 99	26,607 25	27
.1338	531,381 12	-	-	.050952	1,285,561 28	.032050675452	52,436 40	2,116,346 19	28
.0103	40,906 02	-	-	.005314	134,076 63	.002468920909	4,039 27	198,806 47	29
-	-	-	-	.005883	148,432 98	.005369917637	8,785 44	197,748 69	30
.0212	84,194 92	-	-	-	-	.005068841635	8,292 86	130,745 64	31
-	-	.0507	392,202 96	-	-	.012168404532	19,908 07	503,953 93	32
-	-	.0440	340,373 37	.014614	368,723 36	.010565751295	17,286 06	806,129 41	33
-	-	.0246	190,299 66	-	-	.005916978787	9,680 45	244,639 42	34
-	-	-	-	-	-	.001969527265	3,222 24	20,087 55	35
-	-	-	-	-	-	.000983927163	1,609 75	9,036 10	36
-	-	-	-	-	-	.005087984264	8,324 18	46,726 53	37
.0275	109,215 10	-	-	-	-	.006582583074	10,769 41	169,667 57	38
.0255	101,272 19	-	-	.007496	189,130 31	.006096525764	9,974 20	346,391 16	39
.0257	102,066 48	-	-	-	-	.006161871988	10,081 11	158,655 26	40
1.0000	\$4,013,958 32	1.0000	\$7,735,758 49	1.000000	\$25,230,830 63	1.000000000000	\$3,185,699 31	\$47,828,888 02	

³ Exclusive of \$3,000, share of county of Middlesex.⁴ Exclusive of \$63,150, share of certain counties and street railways.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 4 per cent per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years, and the result will be the amount necessary.

For instance, to find the amount necessary each year to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	= 1.04040000	\$1 each year for 19 years	= 28.90197165
\$1 in 2 years	= 1.08243216	\$1 in 20 years	= 2.20803964
\$1 each year for 2 years	= 2.12283216	\$1 each year for 20 years	= 31.11001129
\$1 in 3 years	= 1.12616241	\$1 in 21 years	= 2.29724444
\$1 each year for 3 years	= 3.24899457	\$1 each year for 21 years	= 33.40725573
\$1 in 4 years	= 1.17165938	\$1 in 22 years	= 2.39005311
\$1 each year for 4 years	= 4.42065395	\$1 each year for 22 years	= 35.79730884
\$1 in 5 years	= 1.21899441	\$1 in 23 years	= 2.48661126
\$1 each year for 5 years	= 5.63964836	\$1 each year for 23 years	= 38.28392010
\$1 in 6 years	= 1.26824179	\$1 in 24 years	= 2.58707035
\$1 each year for 6 years	= 6.90789015	\$1 each year for 24 years	= 40.87099045
\$1 in 7 years	= 1.31947875	\$1 in 25 years	= 2.69158799
\$1 each year for 7 years	= 8.22736890	\$1 each year for 25 years	= 43.56257844
\$1 in 8 years	= 1.37278570	\$1 in 26 years	= 2.80032815
\$1 each year for 8 years	= 9.60015460	\$1 each year for 26 years	= 46.36290659
\$1 in 9 years	= 1.42824624	\$1 in 27 years	= 2.91346140
\$1 each year for 9 years	= 11.02840084	\$1 each year for 27 years	= 49.27636799
\$1 in 10 years	= 1.48594738	\$1 in 28 years	= 3.03116524
\$1 each year for 10 years	= 12.51434822	\$1 each year for 28 years	= 52.30753323
\$1 in 11 years	= 1.54597966	\$1 in 29 years	= 3.15362432
\$1 each year for 11 years	= 14.06032788	\$1 each year for 29 years	= 55.46115755
\$1 in 12 years	= 1.60843724	\$1 in 30 years	= 3.28103074
\$1 each year for 12 years	= 15.66876512	\$1 each year for 30 years	= 58.74218829
\$1 in 13 years	= 1.67341810	\$1 in 31 years	= 3.41358438
\$1 each year for 13 years	= 17.34218322	\$1 each year for 31 years	= 62.15577267
\$1 in 14 years	= 1.74102119	\$1 in 32 years	= 3.55149318
\$1 each year for 14 years	= 19.08320741	\$1 each year for 32 years	= 65.70726585
\$1 in 15 years	= 1.81136157	\$1 in 33 years	= 3.69497350
\$1 each year for 15 years	= 20.89156898	\$1 each year for 33 years	= 69.40223935
\$1 in 16 years	= 1.88454057	\$1 in 34 years	= 3.84425042
\$1 each year for 16 years	= 22.77910955	\$1 each year for 34 years	= 73.24618977
\$1 in 17 years	= 1.96067601	\$1 in 35 years	= 3.99955813
\$1 each year for 17 years	= 24.73978556	\$1 each year for 35 years	= 77.24601790
\$1 in 18 years	= 2.03988732	\$1 in 36 years	= 4.16114027
\$1 each year for 18 years	= 26.77967288	\$1 each year for 36 years	= 81.40718817
\$1 in 19 years	= 2.12229877		
\$1 each year for 19 years	= 28.90197165		

INDEX.

A.

	PAGE
Alewife Brook,	28
Assessments on Counties and Street Railways,	9

B.

Boston and Cambridge, Charles River Bridge,	37
Boulevards. See "Metropolitan Parks Loan."	

C.

Charles River Basin Debt, Analysis of,	41
Charles River Basin Loan: —	
Assessment, how made up,	37
Sinking Fund (Charles River Bridge),	38
Sinking Fund (District),	38
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements,	40
Proportion in Percentages,	39
Charles River Bridge, Boston and Cambridge,	37, 38
Comparison of 1920 and 1921 Parks and Sewerage Assessments,	36
Comparison of 1920 and 1921 Water Assessments,	13
Counties, Assessments on,	9

D.

Debts of the Metropolitan District for 1921,	42, 43
--	--------

E.

Everett and Malden, Special Assessment,	29
---	----

G.

Gross Charles River Basin Loan Debt, April 1, 1921,	37
Gross Metropolitan Parks Debt, April 1, 1921,	14
Gross Metropolitan Parks, Series 2 (Boulevards) Debt, April 1, 1921,	14
Gross Metropolitan Sewerage (North System) Debt, April 1, 1921,	29
Gross Metropolitan Sewerage (South System) Debt, April 1, 1921,	30
Gross Metropolitan Water Debt, April 1, 1921,	10

M.

	PAGE
Malden and Everett, Special Assessment,	29
Metropolitan Districts, Statement of the Debts of, for 1921,	42, 43
Metropolitan Districts, Total Assessments for,	7
Metropolitan Parks Loan: —	
Parks Sinking Fund Requirements,	21
Boulevards Sinking Fund Requirements,	21
Nantasket Sinking Fund Requirements,	21
Parks Interest Requirements,	22
Boulevards Interest Requirements,	22
Nantasket Interest Requirements,	22
Parks Maintenance Requirements,	23
Boulevards Maintenance Requirements,	23
Nantasket Maintenance Requirements,	23
Wellington Bridge Maintenance Requirements,	23
Parks Serial Bonds Requirements,	24
Boulevards Serial Bonds Requirements,	24
Assessment, how made up,	14, 15
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	16
Neponset Bridge, Special Assessment,	25
Newton-Weston Bridge, Special Assessment,	26
Proportion in Percentages to be paid annually,	17, 18, 19
Sinking Fund, Parks,	20
Sinking Fund, Boulevards, Series 2,	20
Sinking Fund, Nantasket,	20
Wellington Bridge, Special Assessment,	27
Metropolitan Parks and Sewerage Loans, Comparison of 1920 and 1921	
Assessments,	36
Metropolitan Sewerage Loan, North System: —	
Amounts provided for and to be provided for,	32
Assessments, how made up,	29
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	31
Everett and Malden, Special Assessment,	29
Proportion in Percentages to be paid annually,	33
Reading, Special Sinking Fund Assessment,	31
Revere, Special Assessment,	30
Sinking Fund,	32
Metropolitan Sewerage Loan, South System: —	
Amounts provided for and to be provided for,	34
Assessment, how made up,	30
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements,	33
Proportion in Percentages to be paid annually,	35
Sinking Fund,	34
Metropolitan Water Loan: —	
Assessment, how made up,	10
Comparison of Total 1920 and 1921 Assessments,	13
Computations for determining Assessment,	11
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements,	12
Sinking Fund,	11

N.

	PAGE
Nantasket. See "Metropolitan Parks Loan."	
Neponset Bridge,	25
Newton-Weston Bridge,	26
Net Charles River Basin Loan Debt, April 1, 1921,	37
Net Metropolitan Parks Debt, April 1, 1921,	14
Net Metropolitan Parks, Series 2 (Boulevards), Debt, April 1, 1921,	14
Net Metropolitan Sewerage (North System) Debt, April 1, 1921,	29
Net Metropolitan Sewerage (South System) Debt, April 1, 1921,	30
Net Metropolitan Water Debt, April 1, 1921,	10
Net Water Debt of Cities in Original Metropolitan Water District,	13

O.

Outlet for Sewage of Everett and Malden,	29
Outlet for Sewage of Revere,	30

P.

Parks Loan. See "Metropolitan Parks Loan."

R.

Reading, Special Sinking Fund Assessment,	31
Revenue from Water received by Cities and Towns, 1920,	13
Revere, Special Assessment,	30

S.

Sewerage Loan. See "Metropolitan Sewerage Loan, North System;" "Metropolitan Sewerage Loan, South System."	
Sinking Fund Table,	44
Special Metropolitan District Assessments,	8
Street Railways, Assessments on,	9

T.

Total Assessments for Metropolitan Districts,	7
---	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District,	13
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1920,	13
Wellington Bridge: —	
Serial Bonds, Special Assessment,	27
Interest, Special Assessment,	27
Maintenance, Special Assessment,	27
Maintenance, District Assessment,	23

The Commonwealth of Massachusetts

1922

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE

TREASURER AND RECEIVER-GENERAL



BOSTON

WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET

PUBLICATION OF THIS DOCUMENT
APPROVED BY THE
SUPERVISOR OF ADMINISTRATION.

The Commonwealth of Massachusetts

TREASURY DEPARTMENT, Sept. 1, 1922.

Under the provisions of section 11 of chapter 10 of the General Laws the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1922, to be paid by the cities and towns comprising the metropolitan districts, are compiled and printed as a public document and herewith submitted.

There have been issued during the year 1922, on account of the Metropolitan District, bonds to the amount of \$600,000, bearing interest at the rate of 4 per cent. These bonds are divided as follows:—

Metropolitan Sewerage Loan, South System.

\$100,000. Chapter 525, Acts of 1920, providing for the completion by the Metropolitan District Commission of the Wellesley extension of the south metropolitan sewerage system. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the metropolitan sewerage district, south system.

Metropolitan Water Loan.

\$500,000. Chapter 530, Acts of 1920, authorizing the Metropolitan District Commission to make certain expenditures for the improvement and development of the metropolitan water system. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the metropolitan water district.

The following sections of chapter 92 of the General Laws show the manner of computing the proportions in which the cities and towns of the several metropolitan districts shall annually pay money into the treasury of the Commonwealth to meet the assessments against said districts:—

Metropolitan Sewer.

SECTION 5. The proportions in which each of the towns belonging in whole or in part to the north metropolitan and south metropolitan sewerage districts, respectively, shall annually pay money to the commonwealth to meet interest and sinking fund requirements for each year, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective taxable valuations of the property of said towns, as last established by the general court as a basis of apportionment for state and county taxes.

SECTION 6. The proportions in which each of the towns belonging in whole or in part to either sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the respective sewerage systems, as estimated by the commission and certified by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective populations of said towns as ascertained by the last preceding state or national census. If less than the whole area of any town is included in either of said metropolitan sewerage systems, the valuation and population only of that part of the town included in either of said systems, as determined by the commission, shall be used as a basis in determining the proportion and amount which it shall pay as its share of interest and sinking fund requirements and of the cost of maintenance and operation of works as required by this and the preceding section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system, shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such system, and shall transmit its determinations to the state treasurer.

Metropolitan Water.

SECTION 26. The state treasurer, for the purpose of making the apportionment to the towns in the metropolitan water district of the amount required in each year to pay the interest, sinking fund requirements and expenses of maintenance and operation of the metropolitan water system, shall, in each year, apportion such amount to the towns in said district, one third in proportion to their valuations for the preceding year and the remaining two thirds in proportion to their consumption, in said year, of water received from all sources of supply as determined by the commission and certified to said treasurer; provided, that there shall be included in reckoning such proportion only one fifth of the total valuation, and nothing for consumption of water, for any town which has not reached the safe capacity of its present sources of supply or of the sources of supply of the water company by which it is supplied, determined as aforesaid, or which has not made application to said commission for

water; and provided, further, that any town assessed upon its full valuation which obtains a part of its water supply from its own works or receives a supply from a water company shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid, as determined by said commission and certified to said treasurer. The state treasurer shall annually notify each town of the amount of its assessment, and the same shall be paid by the town to the commonwealth at the time required for the payment of and as part of its state tax. . . .

Metropolitan Parks.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. The proportion in which each town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any town by adding together the percentage which the valuation of the same bears to the total valuation of the towns of the district and the percentage which the population of the same bears to the total population of the towns of the district, and dividing this sum by two.

SECTION 56. The proportion in which each town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable

valuations of the property of said towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the towns of the state as a part of the annual state tax.

SECTION 57. The commission shall annually, in accordance with the provisions of the three preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determinations of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 59. For the purposes of the five preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

JAMES JACKSON,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1922.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington . . .	\$24,666 84	\$17,833 20	\$23,581 09 ^N	\$2,562 93	\$68,644 06
Belmont . . .	15,679 21	11,589 88	14,981 52 ^N	1,713 95	43,964 56
Boston . . .	1,784,257 21	906,067 40	{ 102,146 67 ^N 325,192 17 ^s }	216,161 14	3,333,824 59
Braintree . . .	—	7,891 39	—	1,224 93	9,116 32
Brookline . . .	—	57,005 10	90,750 49 ^s	11,016 95	158,772 54
Cambridge . . .	—	100,628 35	144,571 01 ^N	40,998 94	286,198 30
Canton . . .	—	4,763 62	—	764 18	5,527 80
Chelsea . . .	58,304 32	28,929 75	44,711 33 ^N	4,244 00	136,189 40
Cohasset . . .	—	232 49	—	—	232 49
Dedham . . .	—	9,567 91	14,483 66 ^s	1,599 29	25,650 86
Dover . . .	—	1,590 48	—	317 82	1,908 30
Everett . . .	65,437 63	30,573 22	48,187 95 ^N	4,794 42	148,993 22
Hingham . . .	—	5,312 85	—	909 83	6,222 68
Hull . . .	—	6,202 72	—	1,329 74	7,532 46
Lexington . . .	9,970 63	—	6,651 45 ^N	—	16,622 08
Lynn . . .	—	73,103 30	—	11,283 49	84,386 79
Malden . . .	51,513 23	36,664 77	52,262 00 ^N	4,781 35	145,221 35
Medford . . .	41,268 34	31,750 13	41,392 91 ^N	4,002 69	118,414 07
Melrose . . .	23,191 14	14,037 11	21,359 60 ^N	2,213 39	60,801 24
Milton . . .	13,798 19	11,956 29	19,003 62 ^s	2,228 59	46,986 69
Nahant . . .	4,140 66	2,430 93	—	486 15	7,057 74
Needham . . .	—	6,684 24	—	1,146 84	7,831 08
Newton . . .	6,936 71	53,434 25	82,777 50 ^s	9,459 06	152,607 52
Quincy . . .	81,551 29	40,881 99	58,561 94 ^s	5,914 19	186,909 41
Reading . . .	—	—	9,171 03 ^N	—	9,171 03
Revere . . .	37,989 30	18,992 63	30,006 19 ^N	2,759 75	89,747 87
Saugus . . .	—	6,293 66	—	840 35	7,134 01
Somerville . . .	128,207 84	65,822 79	95,065 14 ^N	8,923 72	298,019 49
Stoneham . . .	11,344 37	6,000 87	8,107 72 ^N	765 58	26,218 54
Swampscott . . .	15,819 98	8,982 12	—	1,615 20	26,417 30
Wakefield . . .	—	9,598 99	14,649 43 ^N	1,481 26	25,729 68
Waltham . . .	—	26,204 91	41,221 03 ^s	4,304 06	71,730 00
Watertown . . .	33,916 60	18,523 99	29,137 72 ^s	3,064 74	84,643 05
Wellesley . . .	—	9,812 11	15,633 97 ^s	1,911 65	27,357 73
Weston . . .	—	3,631 57	—	600 90	4,232 47
Westwood . . .	—	1,582 68	—	288 49	1,871 17
Weymouth . . .	—	10,442 06	—	1,561 57	12,003 63
Winchester . . .	—	13,052 15	18,994 25 ^N	2,419 23	34,465 63
Winthrop . . .	19,128 14	11,541 32	17,617 18 ^N	1,793 02	50,079 66
Woburn . . .	—	11,318 08	17,457 89 ^N	1,678 35	30,454 32
	\$2,427,121 63	\$1,680,931 30 ¹	\$1,387,676 46 ²	\$363,161 74 ³	\$5,858,891 13

N, North System.

S, South System.

¹ Includes \$31,928.82, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.² Includes \$3,940.01, special assessments on Everett, Malden and Revere.³ Includes \$49,885.69, special assessments on Boston and Cambridge, and \$25,497.17 embankment interest on Boston.

Special Metropolitan District Assessments for 1922.

CITIES AND TOWNS.	Alewife Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metropolitan Sewerage.	Charles River Basin, Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington	\$2,166 74	-	-	-	-	-	-	-	\$2,166 74
Belmont	1,534 77	-	-	-	-	-	-	-	1,534 77
Boston	-	\$4,747 96	-	-	-	-	\$24,912 84	\$25,497 17	55,187 97
Cambridge	4,243 20	-	-	-	-	-	24,912 85	-	29,186 05
Everett	-	-	-	-	-	\$1,676 67 ^{1N}	-	-	1,676 67
Malden	-	-	-	\$1,704 30	\$2,258 01	1,676 67 ^{1N}	-	-	5,639 01
Medford	-	-	-	2,097 60	2,779 13	-	-	-	4,876 73
Newton	-	-	\$1,170 00	-	-	-	-	-	1,170 00
Quincy	-	3,560 97	-	-	-	-	-	-	3,560 97
Revere	-	-	-	-	-	586 67 ^{2N}	-	-	586 67
Somerville	1,083 37	-	-	1,442 10	1,910 65	-	-	-	4,436 12
Stonham	-	-	-	327 75	434 21	-	-	-	761 99
Weston	-	-	468 00	-	-	-	-	-	468 00
	\$9,028 08 ³	\$8,308 63 ⁴	\$1,638 00 ⁵	\$5,571 75 ⁶	\$7,382 06 ⁷	\$3,940 01	\$49,885 69	\$25,497 17	\$111,251 69

¹ Eleventh assessment under chapter 512, Acts of 1911 (total assessments, 29).² Eighth assessment under chapter 259, Acts of 1914 (total assessments, 11).³ Twelfth assessment under chapter 529, Acts of 1907 (total assessments, 20), and ninth assessment under chapter 458, Acts of 1911 (total assessments, 20).⁴ Seventh assessment under chapter 300, General Acts of 1915 (total assessments, 18).⁵ Seventh assessment under chapter 368, Special Acts of 1915 (total assessments, 9).⁶ Eighth assessment under chapter 276, General Acts of 1915 (total assessments, 10).⁷ Seventh assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1922.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Totals.
Middlesex County	—	\$702 00	—	\$702 00
Norfolk County	\$1,186 99	—	—	1,186 99
Plymouth County	593 50	—	—	593 50
Bay State Street Railway Company .	3,560 97	—	—	3,560 97
Boston Elevated Railway Company .	—	—	\$1,966 50	1,966 50
	\$5,341 46 ¹	\$702 00 ²	\$1,966 50 ³	\$8,009 96

¹ Seventh assessment under chapter 300, General Acts of 1915 (total assessments, 18).² Seventh assessment under chapter 368, Special Acts of 1915 (total assessments, 9).³ Eighth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1922.

Gross water debt, April 1, 1922:

Bonds outstanding (sinking fund)	\$41,398,000 00	
Bonds outstanding (serial)	1,740,000 00	
	<hr/>	\$43,138,000 00

an increase for the year of \$456,000.

Sinking fund, April 1, 1922	18,392,431 76	
	<hr/>	

an increase for the year of \$1,131,292.40.

Net water debt, April 1, 1922	\$24,745,568 24	
---	-----------------	--

a decrease for the year of \$675,292.40.

Total Water Assessment for 1922.

Sinking fund requirements		\$210,504 77
Serial bonds	\$57,000 00	
Less premium	8,105 01	
	<hr/>	48,894 99

Interest:

One year on \$41,398,000	\$1,393,435 00	
Six months on \$1,284,000	25,170 00	
Six months on \$1,740,000	34,306 25	
Interest on advances and temporary loans, estimated, 1922	30,000 00	
	<hr/>	\$1,482,911 25

Adjustment of interest charges in 1921	\$11,273 86	
Accrued interest	4,659 56	
	<hr/>	15,933 42

1,466,977 83

Maintenance as appropriated by Legislature	\$784,800 00	
Less balance on hand	84,055 96	
	<hr/>	700,744 04

Total water assessment for 1922	\$2,427,421 63	
---	----------------	--

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1921.	Amount of Dec. 1, 1921, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1922.
\$13,000,000	July, 1935	\$7,265,012 90	\$12,400,552 17	\$599,447 83	\$35,962 34
4,000,000	Jan., 1938	1,936,940 31	3,650,242 60	349,757 40	15,974 62
4,000,000	July, 1939	1,740,959 75	3,481,727 18	518,272 82	21,795 30
10,000,000	Jan., 1941	3,867,616 66	8,208,238 08	1,791,761 92	64,499 03
3,500,000	Jan., 1942	1,282,718 89	2,832,294 16	667,705 84	22,329 83
2,000,000	Jan., 1943	671,516 59	1,542,637 75	457,362 25	14,243 60
2,000,000	Jan., 1944	623,880 07	1,491,106 50	508,893 50	14,790 30
650,000	Jan., 1945	218,097 74	542,324 30	107,675 70	2,926 18
1,350,000	Jan., 1946	369,545 11	956,039 20	393,960 80	10,028 55
398,000	Jan., 1949	81,829 86	238,408 14	159,591 86	3,369 55
500,000	Jan., 1950	88,896 33	269,459 47	230,540 53	4,585 47
\$41,398,000	—	\$18,147,014 21	\$35,613,029 55	\$5,784,970 45	\$210,504 77

Computations for determining the Assessment for 1922. (See Section 26 of Chapter 92, General Laws.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1921.	Average Daily Con- sumption (Gallons), 1921.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington	\$25,105,459	1,100,300	.011744	.009372	.010163
Belmont	16,726,417	678,300	.007824	.005777	.006460
Boston	1,597,106,943	85,609,200	.747070	.729164	.735133
Chelsea	41,120,950	3,101,300	.019235	.026415	.024022
Everett	44,342,525	3,530,600	.020742	.030071	.026961
Lexington	10,263,804	441,700	.004801	.003762	.004108
Malden	46,213,129	2,468,700	.021617	.021027	.021224
Medford	41,537,950	1,853,900	.019430	.015790	.017003
Melrose	22,508,050	1,064,700	.010529	.009068	.009555
Milton	21,803,790	402,500	.010199	.003428	.005685
Nahant	4,311,546	182,100	.002017	.001551	.001706
Newton ¹	18,332,170	—	.008575	—	.002858
Quincy	60,009,743	4,269,500	.028070	.036365	.033600
Revere	29,056,100	1,958,600	.013591	.016682	.015652
Somerville	86,793,547	6,919,400	.040599	.058935	.052823
Stoneham	7,750,365	610,400	.003625	.005199	.004674
Swampscott	15,628,379	718,800	.007310	.006122	.006518
Watertown	30,465,722	1,624,400	.014251	.013835	.013974
Winthrop	18,751,700	873,000	.008771	.007436	.007881
	\$2,137,828,289	117,407,400	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1922.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Maintenance.	Serial Bonds.	Total Assessment.
Arlington . . .	\$14,908 90	\$2,139 36	\$7,121 66	\$496 92	\$24,666 84
Belmont . . .	9,476 68	1,359 86	4,526 81	315 86	15,679 21
Boston . . .	1,078,423 81	154,749 01	515,140 07	35,944 32	1,784,257 21
Chelsea . . .	35,239 74	5,056 75	16,833 27	1,174 56	58,304 32
Everett . . .	39,551 19	5,675 42	18,892 76	1,318 26	65,437 63
Lexington . . .	6,026 35	864 76	2,878 66	200 86	9,970 63
Malden . . .	31,135 14	4,467 75	14,872 59	1,037 75	51,513 23
Medford . . .	24,943 02	3,579 21	11,914 75	831 36	41,268 34
Melrose . . .	14,016 97	2,011 37	6,695 61	467 19	23,191 14
Milton . . .	8,339 77	1,196 72	3,983 73	277 97	13,798 19
Nahant . . .	2,502 66	359 12	1,195 47	83 41	4,140 66
Newton . . .	4,192 62	601 62	2,002 73	139 74	6,936 71
Quincy . . .	49,290 46	7,072 96	23,545 00	1,642 87	\$1,551 29
Revere . . .	22,961 14	3,294 82	10,968 04	765 30	37,989 30
Somerville . . .	77,490 17	11,119 49	37,015 40	2,582 78	128,207 84
Stoneham . . .	6,856 65	983 90	3,275 28	228 54	11,344 37
Swampscott . . .	9,561 76	1,372 07	4,567 45	318 70	15,819 98
Watertown . . .	20,499 55	2,941 59	9,792 20	683 26	33,916 60
Winthrop . . .	11,561 25	1,658 99	5,522 56	385 34	19,128 14
	\$1,466,977 83	\$210,504 77	\$709,744 04	\$48,894 99	\$2,427,121 63

Comparison of Total Assessments, 1921 and 1922, with Revenue from Water Rates in 1921.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1921.
	1921.	1922.	
Arlington	\$24,635 28	\$24,666 84	\$79,163 97
Belmont	14,744 88	15,679 21	37,700 01 ¹
Boston ²	1,958,528 33	1,784,257 21	3,464,167 87 ³
Chelsea	62,997 73	58,304 32	128,182 74 ⁴
Everett	64,699 16	65,437 63	141,876 63 ¹
Lexington	10,014 00	9,970 63	28,755 78 ⁵
Malden	57,120 28	51,513 23	136,966 94 ³
Medford	40,358 42	41,268 34	93,150 84 ¹
Melrose	24,093 56	23,191 14	54,526 13 ¹
Milton	14,857 95	13,798 19	62,307 51 ⁶
Nahant	4,399 54	4,140 66	12,703 86 ³
Newton	7,231 75	6,936 71	— ⁶
Quincy	85,289 92	81,551 29	230,005 41
Revere	39,177 67	37,989 30	89,131 41 ¹
Somerville	133,989 84	128,207 84	265,510 37 ³
Stoneham	13,974 36	11,344 37	46,001 89 ⁶
Swampscott	15,470 68	15,819 98	44,683 48
Watertown	38,430 83	33,916 60	107,121 86 ¹
Winthrop	19,712 42	19,128 14	56,750 03 ⁷
	\$2,629,726 60	\$2,427,121 63	\$5,078,706 73

¹ No money received for hydrant rentals or water used for street watering.

² Boston's fiscal year ends January 31.

³ No money received for hydrant rentals, water used for street watering or other municipal purposes.

⁴ No money received for water used for municipal purposes.

⁵ No money received for water used for street watering or other municipal purposes.

⁶ Not taking water from the district.

⁷ No money received for water used for street watering.

Net Water Debt of the Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1921.	Jan. 1, 1922.	Increase.
Boston	\$288,019 21	\$301,177 50	\$13,158 29
Chelsea	7,047 00	5,000 00	—2,047 00 ¹
Everett	8,340 07	2,015 50	—6,324 57 ¹
Malden	4,713 23	586 63	—4,126 60 ¹
Medford	3,723 53	1,667 68	—2,055 85 ¹
Melrose	70,907 69	73,760 09	2,852 40
Somerville	—	—	—
	\$382,750 73	\$384,207 40	\$1,456 67

¹ Decrease.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1922:

Bonds outstanding (sinking fund)	\$9,485,000 00	
Bonds outstanding (serial)	161,500 00	
	<hr/>	\$9,646,500 00

a decrease for the year of \$20,250.

Sinking fund April 1, 1922	4,455,651 82	
	<hr/>	

an increase for the year of \$252,038.31.

Net parks debt, April 1, 1922	\$5,190,848 18	
---	----------------	--

a decrease for the year of \$272,288.31.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1922:

Bonds outstanding (sinking fund) (one-half)	\$2,567,500 00	
Bonds outstanding (serial) one-half	544,306 25	
Bonds outstanding (serial), 78.75 per cent (chapter 276, General Acts of 1915)	27,168 75	
Bonds outstanding (serial), 78.75 per cent (chapter 300, General Acts of 1915)	181,125 00	
	<hr/>	\$3,320,100 00

a decrease for the year of \$57,000.

Sinking fund, April 1, 1922 (one-half)	1,129,956 53	
	<hr/>	

an increase for the year of \$62,873.08.

Net parks, series two (boulevards), debt, April 1, 1922	\$2,190,143 47	
---	----------------	--

a decrease for the year of \$119,873.08.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1922 is made up as follows:

Parks sinking fund	\$47,644 27	
Parks, series two, sinking fund	12,158 00	
Nantasket sinking fund	3,011 55	
Parks serial bonds	16,750 00	
Parks, series two, serial bonds	32,193 75	
	<hr/>	

Amount carried forward	\$111,787 57	
----------------------------------	--------------	--

<i>Amount brought forward</i>			\$111,787 57
Parks interest:			
One year on \$8,785,000	\$301,225 00		
Six months on \$171,750	3,340 62		
Six months on \$154,000	2,988 75		
Interest on advances and temporary loans, estimated, 1922	25,000 00		
Adjustment of interest charges in 1921	3,164 59		
			<hr/> 335,718 96
Parks, series two, interest:			
One year on \$2,567,500	\$87,737 50		
Six months on \$639,400	12,950 50		
Six months on \$607,206.25	12,297 88		
Interest on advances and temporary loans, estimated, 1922	5,000 00		
Adjustment of interest charges in 1921	6,550 98		
			<hr/> 124,536 86
Nantasket interest:			
One year on \$700,000		21,000 00	
Parks maintenance as appropriated by Legislature	\$887,303 25		
Less balance on hand	87,992 00		
			<hr/> 799,311 25
Boulevards maintenance (one-half)	\$250,709 08		
Less balance on hand (one-half)	73,105 90		
			<hr/> 177,603 18
Nantasket maintenance	\$79,000 00		
Less balance on hand	3,646 38		
			<hr/> 75,353 62
Wellington Bridge maintenance (one-quarter)	\$3,750 00		
Less balance on hand (one-quarter)	58 96		
			<hr/> 3,691 04
Total parks assessment for 1922			<hr/> \$1,649,002 48

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Maintenance.	Total Serial Bonds.	Grand Total.
Arlington	\$559 61	\$4,285 58	\$10,385 38	\$435 89	\$15,666 46
Belmont	374 24	2,865 95	6,523 42	291 50	10,055 11
Boston	36,185 32	277,108 99	559,840 25	28,184 88	901,319 44
Braintree	267 47	2,048 25	5,367 34	208 33	7,891 39
Brookline	2,405 56	18,421 87	34,303 98	1,873 69	57,005 10
Cambridge	3,505 85	26,848 03	63,300 55	2,730 72	96,385 15
Canton	166 87	1,277 81	3,188 97	129 97	4,763 62
Chelsea	926 68	7,096 57	20,184 70	721 80	28,929 75
Cohasset	7 11	49 12	176 26	-	232 49
Dedham	349 21	2,674 23	6,272 48	271 99	9,567 91
Dover	69 40	531 44	935 59	54 05	1,590 48
Everett	1,046 86	8,016 94	20,694 01	815 41	30,573 22
Hingham	198 66	1,521 37	3,438 08	154 74	5,312 85
Hull	290 35	2,223 50	3,462 71	226 16	6,202 72
Lynn	2,463 76	18,867 60	49,852 91	1,919 03	73,103 30
Malden	1,044 01	7,995 08	22,850 16	813 18	32,702 43
Medford	873 98	6,693 06	18,625 61	680 75	26,873 40
Melrose	483 30	3,701 10	9,476 27	376 44	14,037 11
Milton	486 61	3,726 51	7,364 15	379 02	11,956 29
Nahant	106 16	812 93	1,429 15	82 69	2,430 93
Needham	250 41	1,917 69	4,321 09	195 05	6,684 24
Newton	2,065 39	15,816 88	32,773 24	1,608 74	52,264 25
Quincy	1,291 37	9,889 37	25,134 43	1,005 85	37,321 02
Revere	602 59	4,614 69	13,305 99	469 36	18,992 63
Saugus	183 49	1,405 18	4,562 07	142 92	6,293 66
Somerville	1,948 50	14,921 71	42,998 76	1,517 70	61,386 67
Stonham	167 16	1,280 17	3,661 34	130 21	5,238 88
Swampscott	352 68	2,700 83	5,653 91	274 70	8,982 12
Wakefield	323 43	2,476 88	6,516 75	251 93	9,598 99
Waltham	939 80	7,197 02	17,336 07	732 02	26,204 91
Watertown	669 19	5,124 67	12,208 90	521 23	18,523 99
Wellesley	417 41	3,196 54	5,873 04	325 12	9,812 11
Weston	131 21	1,004 80	1,925 36	102 20	3,163 57
Westwood	62 99	482 41	988 22	49 06	1,582 68
Weymouth	340 97	2,611 17	7,224 34	265 58	10,442 06
Winchester	528 24	4,045 27	8,067 19	411 45	13,052 15
Winthrop	391 51	2,998 18	7,816 69	304 94	11,541 32
Woburn	366 47	2,806 43	7,859 73	285 45	11,318 08
	\$62,843 82	\$481,255 82	\$1,055,959 09	\$48,943 75	\$1,649,002 48

METROPOLITAN PARKS (EXCEPTING NANTASKET), BOULEVARDS AND
CHARLES RIVER BASIN.

Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (excepting Parks Maintenance) Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.
Arlington	\$27,569,359	.008905898876
Belmont	18,436,860	.005955771795
Boston	1,782,657,284	.575862699651
Braintree	13,176,487	.004256481290
Brookline	118,508,990	.038282684803
Cambridge	172,714,877	.055793144443
Canton	8,220,238	.002655433823
Chelsea	45,652,664	.014747459634
Dedham	17,203,515	.005557356807
Dover	3,418,774	.001104387502
Everett	51,573,442	.016660084811
Hingham	9,787,032	.003161564884
Hull	14,303,877	.004620668986
Lynn	121,376,262	.039208917236
Malden	51,432,808	.016614654949
Medford	43,056,837	.013908913741
Melrose	23,809,394	.007691294355
Milton	23,972,902	.007744113346
Nahant	5,229,606	.001689351653
Needham	12,336,590	.003985164218
Newton	101,750,836	.032869195687
Quincy	63,618,861	.020551190278
Revere	29,686,534	.009589822882
Saugus	9,039,575	.002920109272
Somerville	95,992,213	.031008952433
Stoneham	8,235,375	.002660323621
Swampscott	17,374,575	.005612615366
Wakefield	15,933,872	.005147216253
Waltham	46,298,771	.014956175535
Watertown	32,967,258	.010649615247
Wellesley	20,563,474	.006642744939
Weston	6,463,962	.002088093231
Westwood	3,103,344	.001002492218
Weymouth	16,797,767	.005426285546
Winchester	26,023,475	.008406522500
Winthrop	19,287,425	.006230535016
Woburn	18,053,904	.005832063173
	\$3,095,629,019	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET).

Proportion of Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.	Popula- tion.	Per Cent.	Average Per Cent.
Arlington . . .	\$27,569,359	.008905898876	18,665	.011364729578	.0101333142270
Belmont . . .	18,436,860	.005955771795	10,749	.006544842124	.0062503069595
Boston . . .	1,782,657,284	.575862699651	747,923	.455394730273	.5156287149620
Braintree . . .	13,176,487	.004256481290	10,580	.006441941545	.0053492114175
Brookline . . .	118,508,990	.038282684803	37,748	.022983970647	.0306333277250
Cambridge . . .	172,714,877	.055793144443	109,694	.066790390912	.0612917676775
Canton . . .	8,220,238	.002655433823	5,945	.003619786624	.0031376102235
Chelsea . . .	45,652,664	.014747459634	43,184	.026293837777	.0205206487055
Dedham . . .	17,203,515	.005557356807	10,792	.006571023928	.0060641903675
Dover . . .	3,418,774	.001104387502	867	.000527898234	.0008161428680
Everett . . .	51,573,442	.016660084811	40,120	.024428232022	.0203441584165
Hingham . . .	9,787,032	.003161564884	5,604	.003412158830	.0032868618570
Hull . . .	14,303,877	.004620668986	1,771	.001078324998	.0028494969920
Lynn . . .	121,376,262	.039208917236	99,148	.060369151259	.0497890342475
Malden . . .	51,432,808	.016614654949	49,103	.029897793544	.0232562242465
Medford . . .	43,656,837	.013908913741	39,038	.023769424767	.0188391692540
Melrose . . .	23,809,394	.007691294355	18,204	.011084036284	.0093876653195
Milton . . .	23,972,902	.007744113346	9,382	.005712504308	.0067283088270
Nahant . . .	5,229,606	.001689351653	1,318	.000802502737	.0012459271950
Needham . . .	12,336,590	.003985164218	7,012	.004269460691	.0041273124545
Newton . . .	101,750,836	.032869195687	46,054	.028041320975	.0304552583310
Quincy . . .	63,618,861	.020551190278	47,876	.029150698811	.0248509445445
Revere . . .	29,686,534	.009589822882	28,823	.017549724117	.0135697734995
Saugus . . .	9,039,575	.002920109272	10,874	.006620952020	.0047705306460
Somerville . . .	95,992,213	.031008952433	93,091	.056681170169	.0438450613010
Stoneham . . .	8,235,375	.002660323621	7,873	.004793705651	.0037270146360
Swampscott . . .	17,374,575	.005612615366	8,101	.004932530100	.0052725727330
Wakefield . . .	15,933,872	.005147216253	13,025	.007930651099	.0065389336760
Waltham . . .	46,298,771	.014956175535	30,915	.018823499326	.0168898374305
Watertown . . .	32,967,258	.010649615247	21,457	.013061720202	.0118571677245
Wellesley . . .	20,563,474	.006642744939	6,224	.003789663911	.0052162044250
Weston . . .	6,463,962	.002088092331	2,282	.001389462250	.0017387774705
Westwood . . .	3,103,344	.001002492218	1,358	.000826857903	.0009146750605
Weymouth . . .	16,797,767	.005426285546	15,057	.009167893558	.0072970895520
Winchester . . .	26,023,475	.008406522500	10,485	.006384098025	.0073953102625
Winthrop . . .	19,287,425	.006230535016	15,446	.009404747553	.0078176412845
Woburn . . .	18,053,904	.005832063173	16,574	.010091563248	.0079618132105
	\$3,695,629,019	1.000000000000	1,612,362	1.000000000000	1.000000000000

METROPOLITAN PARKS — NANTASKET.

Portion of Sinking Fund, Interest and Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 38I, Acts of 1922).	Per Cent.
Arlington	\$27,569,359	.008885067317
Belmont	18,436,860	.005941840803
Boston	1,782,657,284	.574515714012
Braintree	13,176,487	.004246525064
Brookline	118,508,990	.038193138759
Cambridge	172,714,877	.055662640133
Canton	8,220,238	.002649222566
Chelsea	45,652,664	.014712964230
Cohasset	7,257,883	.002339074297
Dedham	17,203,515	.005544357736
Dover	3,418,774	.001101804258
Everett	51,573,442	.016621115635
Hingham	9,787,032	.003154169749
Hull	14,303,877	.004609860898
Lynn	121,376,262	.039117204665
Malden	51,432,808	.016575792036
Medford	43,056,837	.013876379759
Melrose	23,809,394	.007673303846
Milton	23,972,902	.007725999289
Nahant	5,229,606	.001685400134
Needham	12,336,590	.003975842623
Newton	101,750,836	.032792312196
Quincy	63,618,861	.020503119517
Revere	29,686,534	.009567391574
Saugus	9,039,575	.002913278919
Somerville	95,992,213	.030936420189
Stoneham	8,235,375	.002654100926
Swampscott	17,374,575	.005599487042
Wakefield	15,933,872	.005135176532
Waltham	46,298,771	.014921191929
Watertown	32,967,258	.010624705006
Wellesley	20,563,474	.006627207065
Weston	6,463,962	.002083209026
Westwood	3,103,344	.001000147314
Weymouth	16,797,767	.005413593061
Winchester	26,023,475	.008386859019
Winthrop	19,287,425	.006215961332
Woburn	18,053,904	.005818421544
	\$3,102,886,902	1.000000000000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1921.	Amount of Dec. 1, 1921, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requira- ments for 1922.
\$125,000	Jan., 1928	\$78,470 42	\$99,519 47	\$25,480 53	\$3,837 63
1,300,000	Jan., 1934	740,634 98	1,191,264 88	108,735 12	7,219 97
2,000,000	Jan., 1936	1,042,025 70	1,814,191 95	185,808 05	10,130 09
1,400,000	Jan., 1937	698,057 31	1,264,434 18	135,565 82	6,750 20
1,000,000	July, 1938	471,908 94	907,118 17	92,881 83	4,242 23
505,000	July, 1939	227,136 90	454,248 71	50,751 29	2,134 28
650,000	Jan., 1941	305,823 69	649,049 24	950 76	34 22
125,000	Jan., 1943	42,799 58	98,321 10	26,678 90	830 85
340,000	July, 1943	119,149 44	279,189 70	60,810 30	1,893 81
300,000	Jan., 1944	93,517 86	223,512 65	76,487 35	2,223 00
370,000	Jan., 1945	104,231 85	259,184 09	110,815 91	3,011 52
300,000	Jan., 1946	82,164 17	212,584 49	87,435 51	2,225 73
300,000	Jan., 1947	72,325 41	194,670 20	105,329 80	2,515 57
70,000	Jan., 1949	14,350 94	41,810 91	28,189 09	595 17
\$8,785,000	-	\$4,092,597 19	\$7,689,079 74	\$1,095,920 26	\$47,644 27

Nantasket.

\$600,000	July, 1939	\$271,263 43	\$542,496 89	\$57,503 11	\$2,418 21
100,000	Jan., 1941	38,959 51	82,683 72	17,316 28	623 34
\$700,000	-	\$310,222 94	\$625,180 61	\$74,819 39	\$3,041 55

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1921.	Amount of Dec. 1, 1921, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1922.
\$250,000	Jan., 1934	\$148,330 99	\$238,581 09	\$11,418 91	\$758 00
300,000	Jan., 1936	163,207 88	284,148 87	15,851 13	864 00
500,000	Jan., 1937	260,609 70	472,058 40	27,941 60	1,394 00
50,000	July, 1938	24,700 24	47,479 58	2,520 42	115 00
250,000	July, 1939	118,428 81	236,844 54	13,155 46	553 00
225,000	Jan., 1940	90,967 52	185,563 49	39,436 51	1,532 00
162,500	July, 1940	71,042 97	147,818 05	14,681 95	570 00
55,000	Jan., 1943	19,467 46	44,721 51	10,278 49	320 00
150,000	July, 1943	49,621 15	116,271 75	33,728 25	1,050 00
150,000	Jan., 1944	48,007 73	114,741 02	35,258 98	1,025 00
150,000	Jan., 1945	43,012 71	106,955 89	43,044 11	1,170 00
150,000	Jan., 1946	37,477 65	96,957 32	53,042 68	1,350 00
150,000	Jan., 1947	36,577 41	98,451 32	51,548 68	1,231 00
25,000	Jan., 1949	4,863 03	14,168 25	10,831 75	229 00
\$2,567,500	-	\$1,116,315 25	\$2,204,761 08	\$362,738 92	\$12,158 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington . . .	\$424 31	\$108 28	\$27 02	\$559 61
Belmont . . .	283 76	72 41	18 07	374 24
Boston . . .	27,436 56	7,001 34	1,747 42	36,185 32
Braintree . . .	202 80	51 75	12 92	267 47
Brookline . . .	1,823 95	465 44	116 17	2,405 56
Cambridge . . .	2,658 22	678 33	169 30	3,505 85
Canton . . .	126 52	32 29	8 06	166 87
Chelsea . . .	702 63	179 30	44 75	926 68
Cohasset . . .	—	—	7 11	7 11
Dedham . . .	264 78	67 57	16 86	349 21
Dover . . .	52 62	13 43	3 35	69 40
Everett . . .	793 76	202 55	50 55	1,046 86
Hingham . . .	150 63	38 44	9 59	198 66
Hull . . .	220 15	56 18	14 02	290 35
Lynn . . .	1,868 08	476 70	118 98	2,463 76
Malden . . .	791 59	202 00	50 42	1,044 01
Medford . . .	662 68	169 10	42 20	873 98
Melrose . . .	366 45	93 51	23 34	483 30
Milton . . .	368 96	94 15	23 50	486 61
Nahant . . .	80 49	20 54	5 13	106 16
Needham . . .	189 87	48 45	12 09	250 41
Newton . . .	1,566 03	399 62	99 74	2,065 39
Quincy . . .	979 15	249 86	62 36	1,291 37
Revere . . .	456 90	116 59	29 10	602 59
Saugus . . .	139 13	35 50	8 86	183 49
Somerville . . .	1,477 40	377 01	94 09	1,948 50
Stoneham . . .	126 75	32 34	8 07	167 16
Swampscott . . .	267 41	68 24	17 03	352 68
Wakefield . . .	245 23	62 58	15 62	323 43
Waltham . . .	712 58	181 84	45 38	939 80
Watertown . . .	507 39	129 48	32 32	669 19
Wellesley . . .	316 49	80 76	20 16	417 41
Weston . . .	99 48	25 39	6 34	131 21
Westwood . . .	47 76	12 19	3 04	62 99
Weymouth . . .	258 53	65 97	16 47	340 97
Winchester . . .	400 52	102 21	25 51	528 24
Winthrop . . .	296 85	75 75	18 91	391 51
Woburn . . .	277 86	70 91	17 70	366 47
	\$47,644 27	\$12,158 00	\$3,041 55	\$62,843 82

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington . . .	\$2,989 88	\$1,109 11	\$186 59	\$4,285 58
Belmont . . .	1,999 46	741 71	124 78	2,865 95
Boston . . .	193,328 03	71,716 13	12,064 83	277,108 99
Braintree . . .	1,428 98	530 09	89 18	2,048 25
Brookline . . .	12,852 22	4,767 60	802 05	18,421 87
Cambridge . . .	18,730 82	6,948 30	1,168 91	26,848 03
Canton . . .	891 48	330 70	55 63	1,277 81
Chelsea . . .	4,951 00	1,836 60	308 97	7,096 57
Cohasset . . .	—	—	49 12	49 12
Dedham . . .	1,865 71	692 09	116 43	2,674 23
Dover . . .	370 76	137 54	23 14	531 44
Everett . . .	5,593 11	2,074 79	349 04	8,016 94
Hingham . . .	1,061 40	393 73	66 24	1,521 37
Hull . . .	1,551 25	575 44	96 81	2,223 50
Lynn . . .	13,163 18	4,882 96	821 46	18,867 60
Malden . . .	5,577 85	2,069 14	348 09	7,995 08
Medford . . .	4,669 49	1,732 17	291 40	6,693 06
Melrose . . .	2,582 11	957 85	161 14	3,701 10
Milton . . .	2,599 84	964 43	162 24	3,726 51
Nahant . . .	567 15	210 39	35 39	812 93
Needham . . .	1,337 90	496 30	83 49	1,917 69
Newton . . .	11,034 81	4,093 43	688 64	15,816 88
Quincy . . .	6,899 42	2,559 38	430 57	9,889 37
Revere . . .	3,219 48	1,194 29	200 92	4,614 69
Saugus . . .	980 34	363 66	61 18	1,405 18
Somerville . . .	10,410 29	3,861 76	649 66	14,921 71
Stoncham . . .	893 12	331 31	55 74	1,280 17
Swampscott . . .	1,884 26	698 98	117 59	2,700 83
Wakefield . . .	1,728 02	641 02	107 84	2,476 88
Waltham . . .	5,021 07	1,862 60	313 35	7,197 02
Watertown . . .	3,575 28	1,326 27	223 12	5,124 67
Wellesley . . .	2,230 10	827 27	139 17	3,196 54
Weston . . .	701 01	260 04	43 75	1,004 80
Westwood . . .	336 56	124 85	21 00	482 41
Weymouth . . .	1,821 71	675 77	113 69	2,611 17
Winchester . . .	2,822 23	1,046 92	176 12	4,045 27
Winthrop . . .	2,091 71	775 93	130 54	2,998 18
Woburn . . .	1,957 93	726 31	122 19	2,806 43
	\$335,718 96	\$124,536 86	\$21,000 00	\$481,255 82

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington	\$8,101 27	\$32 87	\$669 52	\$1,581 72	\$10,385 38
Belmont	4,995 94	21 98	447 74	1,057 76	6,523 42
Boston	412,147 83	2,125 53	43,291 84	102,275 05	559,840 25
Braintree	4,275 68	15 71	319 99	755 96	5,367 34
Brookline	24,485 56	141 30	2,877 99	6,799 13	34,303 98
Cambridge	48,991 20	205 93	4,194 38	9,909 04	63,300 55
Canton	2,507 93	9 80	199 63	471 61	3,188 97
Chelsea	16,402 39	54 43	1,108 68	2,619 20	20,184 70
Cohasset	—	—	176 26	—	176 26
Dedham	4,847 18	20 51	417 79	987 00	6,272 48
Dover	652 35	4 08	83 02	196 14	935 59
Everett	16,421 18	61 49	1,252 46	2,958 88	20,694 01
Hingham	2,627 23	11 67	237 68	561 50	3,438 08
Hull	2,277 63	17 06	347 37	820 65	3,462 71
Lynn	39,796 94	144 72	2,947 62	6,963 63	49,852 91
Malden	18,588 96	61 33	1,249 05	2,950 82	22,850 16
Medford	15,058 36	51 34	1,045 64	2,470 27	18,625 61
Melrose	7,503 67	28 39	578 21	1,366 00	9,476 27
Milton	5,378 01	28 58	582 18	1,375 38	7,364 15
Nahant	995 88	6 24	127 00	300 03	1,429 15
Needham	3,299 01	14 71	299 59	707 78	4,321 09
Newton	24,343 23	121 32	2,471 02	5,837 67	32,773 24
Quincy	19,863 64	75 85	1,544 98	3,649 96	25,134 43
Revere	10,846 47	35 40	720 94	1,703 18	13,305 99
Saugus	3,813 14	10 78	219 53	518 62	4,562 07
Somerville	35,045 85	114 45	2,331 17	5,507 29	42,998 76
Stoneham	2,979 04	9 82	200 00	472 48	3,661 34
Swampscott	4,214 43	20 72	421 94	996 82	5,653 91
Wakefield	5,226 64	19 00	386 95	914 16	6,546 75
Waltham	13,500 24	55 20	1,124 37	2,656 26	17,336 07
Watertown	9,477 57	39 31	800 61	1,891 41	12,208 90
Wellesley	4,169 37	24 52	499 38	1,179 77	5,873 04
Weston	1,389 82	7 71	156 98	370 85	1,925 36
Westwood	731 11	3 70	75 36	178 05	988 22
Weymouth	5,832 65	20 03	407 93	963 73	7,224 34
Winchester	5,911 15	31 03	631 98	1,493 03	8,067 19
Winthrop	6,248 73	23 00	468 40	1,106 56	7,846 69
Woburn	6,363 97	21 53	438 44	1,035 79	7,859 73
	\$799,311 25	\$3,691 04	\$75,353 62	\$177,603 18	\$1,055,959 09

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington	\$149 17	\$286 72	\$435 89
Belmont	99 76	191 74	291 50
Boston	9,645 70	18,539 18	28,184 88
Braintree	71 30	137 03	208 33
Brookline	641 23	1,232 46	1,873 69
Cambridge	934 53	1,796 19	2,730 72
Canton	44 48	85 49	129 97
Chelsea	247 02	474 78	721 80
Dedham	93 08	178 91	271 99
Dover	18 50	35 55	54 05
Everett	279 06	536 35	815 41
Hingham	52 96	101 78	154 74
Hull	77 40	148 76	226 16
Lynn	656 75	1,262 28	1,919 03
Malden	278 29	534 89	813 18
Medford	232 97	447 78	680 75
Melrose	128 83	247 61	376 44
Milton	129 71	249 31	379 02
Nahant	28 30	54 39	82 69
Needham	66 75	128 30	195 05
Newton	550 56	1,058 18	1,608 74
Quincy	344 23	661 62	1,005 85
Revere	160 63	308 73	469 36
Saugus	48 91	94 01	142 92
Somerville	519 40	998 30	1,517 70
Stonham	44 56	85 65	130 21
Swampscott	94 01	180 69	274 70
Wakefield	86 22	165 71	251 93
Waltham	250 52	481 50	732 02
Watertown	178 38	342 85	521 23
Wellesley	111 27	213 85	325 12
Weston	34 98	67 22	102 20
Westwood	16 79	32 27	49 06
Weymouth	90 89	174 69	265 58
Winchester	140 81	270 64	411 45
Winthrop	104 36	200 58	304 94
Woburn	97 69	187 76	285 45
	\$16,750 00	\$32,193 75	\$48,943 75

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent	\$201,250 00	
Previously assessed	69,000 00	
Outstanding	\$132,250 00	
Serial bonds due Jan. 1, 1923		\$11,500 00
Interest:		
One year on \$132,250	\$5,290 00	
Six months on \$11,500	230 00	
		\$5,520 00
Less interest on average balance in fund, 57½ per cent	3,369 61	
		2,150 39
		\$13,650 39

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	20	\$4,000 00	\$747 96	\$4,747 96
City of Quincy	15	3,000 00	560 97	3,560 97
County of Norfolk	5	1,000 00	186 99	1,186 99
County of Plymouth	2½	500 00	93 50	593 50
Bay State Street Railway Company	15	3,000 00	560 97	3,560 97
	57½	\$11,500 00	\$2,150 39	\$13,650 39

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 363, Special Acts of 1915.]

Bonds issued, 50 per cent	\$25,000 00	
Previously assessed	18,000 00	
Outstanding	\$7,000 00	
Serial bonds due Jan. 1, 1923		\$2,000 00 ¹
Interest:		
One year on \$7,500	\$300 00	
Six months on \$2,000	40 00	
		340 00
		\$2,340 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton	25	\$1,000 00	\$170 00	\$1,170 00
Town of Weston	10	400 00	68 00	468 00
County of Middlesex	15	600 00	102 00	702 00
	50	\$2,000 00	\$340 00	\$2,340 00

¹ The amount assessed for serial bonds in 1921 was \$3,000. The assessment should have been for \$2,500. This accounts for the assessment of \$2,000 for 1922. Future assessments on account of serial bonds will be for \$2,500.

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued 57½ per cent	\$66,125 00	
Previously assessed	46,287 50	
Outstanding	\$19,837 50	
Serial bonds due Jan. 1, 1923		\$6,612 50
Interest:		
One year on \$19,837.50	\$793 50	
Six months on \$6,612.50	132 25	
		925 75
		\$7,538 25

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden	13	\$1,495 00	\$209 30	\$1,704 30
Medford	16	1,840 00	257 60	2,097 60
Somerville	11	1,265 00	177 10	1,442 10
Stoneham	2½	287 50	40 25	327 75
Boston Elevated Railway Company	15	1,725 00	241 50	1,966 50
	57½	\$6,612 50	\$925 75	\$7,538 25

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden	15.2941	\$2,258 04
Medford	18.8235	2,779 13
Somerville	12.9412	1,910 65
Stoneham	2.9412	434 24
	50.0000	\$7,382 06

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by chapter 529 of the Acts of 1907 and chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent).
Arlington	\$1,636 79	\$529 95	\$2,166 74	24
Belmont	1,159 39	375 38	1,534 77	17
Cambridge	3,205 38	1,037 82	4,243 20	47
Somerville	818 39	264 98	1,083 37	12
	\$6,819 95	\$2,208 13	\$9,028 08	100

¹ This table includes the twelfth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the ninth assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1922:

Bonds outstanding (sinking fund)	\$6,563,000 00	
Bonds outstanding (serial)	728,000 00	
	<hr/>	\$7,291,000 00

a decrease for the year of \$26,500.

Sinking fund April 1, 1922	3,576,422 53	
	<hr/>	

an increase for the year of \$300,528.04.

Net sewerage, north system, debt, April 1, 1922	\$3,714,577 47	
---	----------------	--

a decrease for the year of \$327,028.04.

Assessments, North System.

Sinking fund requirements	\$151,012 22	
Serial bonds	23,000 00	
Interest:		
One year on \$7,251,000	\$229,975 00	
Four months on \$14,000	186 67	
Interest on advances and temporary loans, estimated, 1922	10,000 00	
Adjustment of interest charges in 1921	6,955 66	
	<hr/>	247,117 33
Maintenance as appropriated by Legislature	\$315,800 00	
Less balance on hand	29,955 20	
	<hr/>	285,844 80
	<hr/>	
Total north metropolitan sewerage assessment	\$706,974 35	

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued	\$62,000 00	
Previously assessed	24,000 00	
	<hr/>	
Outstanding	\$38,000 00	

Assessment for 1922 is made up, as follows:

Serial bonds due Jan. 1, 1923	\$2,000 00	
Interest:		
One year on \$38,000	\$1,330 00	
Four months on \$2,000	23 34	
	<hr/>	1,353 34
	<hr/>	

\$3,353 34

Everett and Malden, one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued	\$5,500 00	
Previously assessed	3,500 00	
	<hr/>	
Outstanding	\$2,000 00	
Assessment for 1922 is made up, as follows:		
Serial bond due Jan. 1, 1923		\$500 00
Interest:		
One year on \$2,000	\$80 00	
Four months on \$500	6 67	
	<hr/>	\$6 67
		<hr/>
		\$586 67

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1922:		
Bonds outstanding (sinking fund)	\$8,877,912 00	
Bonds outstanding (serial)	928,000 00	
	<hr/>	\$9,805,912 00

an increase for the year of \$73,000.

Sinking fund April 1, 1922	2,190,181 80
--------------------------------------	--------------

an increase for the year of \$209,697.39.

Net sewerage, south system, debt, April 1, 1922	\$7,615,730 20
---	----------------

a decrease for the year of \$136,697.39.

Assessments, South System.

Sinking fund requirements		\$124,679 34
Serial bonds	\$30,000 00	
Less premium	1,620 99	
	<hr/>	28,371 01
Interest:		
One year on \$9,705,912	\$335,812 36	
Six months on \$100,000	2,000 00	
Interest on advances and tempo- rary loans, estimated, 1922	10,000 00	
Adjustment of interest charges in 1921	5,793 76	
	<hr/>	\$353,606 12
Accrued interest	280 89	
	<hr/>	353,325 23
Maintenance as appropriated by Legislature	\$188,700 00	
Less balance on hand	18,313 48	
	<hr/>	170,386 52
		<hr/>
Total south metropolitan sewerage assessment		\$676,762 10

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington	\$5,391 14	\$821 10	\$8,822 09	\$8,546 76	\$23,581 09
Belmont	3,609 19	549 70	5,906 10	4,916 53	14,981 52
Boston	20,628 27	3,141 80	33,756 23	44,620 37	102,146 67
Cambridge	33,811 64	5,149 70	55,329 57	50,280 10	144,571 01
Chelsea	8,939 92	1,361 60	14,629 35	19,780 46	44,711 33
Everett	10,087 62	1,536 40	16,507 44	18,379 82	46,511 28
Lexington	1,585 63	241 50	2,594 73	2,229 59	6,651 45
Malden	10,072 52	1,534 10	16,482 73	22,495 98	50,585 33
Medford	8,426 48	1,283 40	13,789 15	17,893 88	41,392 91
Melrose	4,666 28	710 70	7,635 93	8,346 69	21,359 60
Reading	2,068 87	315 10	3,385 51	3,401 55	9,171 03
Revere	5,813 97	885 50	9,514 02	13,206 03	29,419 52
Somerville	18,785 92	2,861 20	30,741 39	42,676 63	95,065 14
Stoneham	1,615 83	246 10	2,644 15	3,601 64	8,107 72
Wakefield	3,110 85	473 80	5,090 62	5,974 16	14,649 43
Winchester	5,089 11	775 10	8,327 85	4,802 19	18,994 25
Winthrop	3,775 30	575 00	6,177 93	7,088 95	17,617 18
Woburn	3,533 68	538 20	5,782 54	7,603 47	17,457 89
	\$151,012 22	\$23,000 00	\$247,117 33	\$285,844 80	\$706,974 35 ¹

¹ Exclusive of \$3,940.01, special assessments on Everett, Malden and Revere, which are included on page 7.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1921.	Amount of Dec. 1, 1921, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1922.
\$5,330,000 (3,731,000)	Jan., 1930 Sunk.	\$3,186,079 64	\$4,373,804 57	\$4,687,195 43	\$175,769 82	\$133,211 55
265,000 (185,500)	Jan., 1930 Sunk.	147,076 35	201,904 31	248,595 69	9,322 33	7,065 16
200,000 (126,000)	Jan., 1930 Sunk.	112,270 68	154,123 58	171,876 42	7,949 27	6,024 55
250,000 (68,750)	July, 1943 Sunk.	36,308 15	85,076 87	233,673 13	3,894 55	1,729 21
50,000 (13,750)	Jan., 1943 Sunk.	7,365 35	16,920 01	46,829 99	780 49	353 47
55,000 (15,125)	July, 1943 Sunk.	10,192 73	23,883 50	46,241 50	770 69	342 19
300,000 (32,500)	Jan., 1949 Sunk.	26,262 03	76,513 41	275,986 59	4,599 77	1,642 58
113,000 (19,775)	Jan., 1949 Sunk.	8,461 14	24,651 20	108,123 80	1,802 06	643 51
\$6,563,000 (4,212,400)	- Sunk.	\$3,534,016 07	\$4,956,877 45	\$5,818,522 55	\$204,888 98	\$151,012 22

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1922.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{6}{80}$	$\frac{24}{80}$	$\frac{3}{80}$
265,000	1930	$\frac{70}{240} + \frac{1}{3} + \frac{6}{80}$	$\frac{24}{80}$	$\frac{3}{80}$
200,000	1930	$\frac{49}{240} + \frac{1}{3} + \frac{22}{2400}$	$\frac{888}{2400}$	$\frac{111}{2400}$
300,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{3}{60}$	$\frac{1}{60} + \frac{1}{3} + \frac{2}{24}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{3}{60}$	$\frac{1}{60} + \frac{1}{3} + \frac{2}{24}$	$\frac{1}{60}$
300,000	1949	$\frac{1}{8} + \frac{3}{60}$	$\frac{7}{60} + \frac{1}{3} + \frac{2}{24}$	$\frac{1}{60}$
113,000	1949	$\frac{1}{8} + \frac{3}{60}$	$\frac{7}{60} + \frac{1}{3} + \frac{2}{24}$	$\frac{1}{60}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 381.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Arlington	\$27,569,359	3.57	18,665	2.99
Belmont	18,436,860	2.39	10,749	1.72
Boston:				
Charlestown }	105,368,566	13.66	97,323	15.61
East Boston }				
Cambridge	172,714,877	22.39	109,694	17.59
Chelsea	45,652,664	5.92	43,184	6.92
Everett	51,573,442	6.68	40,120	6.43
Lexington	8,068,069 ¹	1.05	4,850 ²	0.78
Malden	51,432,808	6.67	49,103	7.87
Medford	43,056,837	5.58	39,038	6.26
Melrose	23,809,394	3.09	18,204	2.92
Reading	10,554,722	1.37	7,439	1.19
Revere	29,686,534	3.85	28,823	4.62
Somerville	95,992,213	12.44	93,091	14.93
Stoneham	8,235,375	1.07	7,873	1.26
Wakefield	15,933,872	2.06	13,025	2.09
Winchester	26,023,475	3.37	10,485	1.68
Winthrop	19,287,425	2.50	15,455	2.48
Woburn	18,053,904	2.34	16,574	2.66
	\$771,450,396	100.00	623,695	100.00

¹ 73.424 per cent of the town valuation, derived from figures certified by the board of assessors.

² After deducting 1,500, population of outer area.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Mainte- nance.	Total.
Boston	\$56,591 95	\$12,877 60	\$160,374 32	\$95,348 30	\$325,192 17
Brookline	19,026 07	4,329 42	53,917 43	13,477 57	90,750 49
Dedham	2,643 20	601 47	7,490 49	3,748 50	14,483 66
Milton	3,852 59	876 66	10,917 75	3,356 62	19,003 62
Newton	16,332 99	3,716 60	46,285 61	16,442 30	82,777 50
Quincy	10,211 24	2,323 59	28,937 34	17,089 77	58,561 94
Waltham	7,430 89	1,690 91	21,058 18	11,041 05	41,221 03
Watertown	5,286 41	1,202 93	14,980 99	7,667 39	29,137 72
Wellesley	3,304 00	751 83	9,363 12	2,215 02	15,633 97
	\$124,679 34	\$28,371 01	\$353,325 23	\$170,386 52	\$676,762 10

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1921.	Amount of Dec. 1, 1921, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1922.
\$800,000 (560,000)	Jan., 1930 Sunk.	\$479,463 33	\$658,200 40	\$701,799 60	\$26,317 48	\$19,945 36
839,000 (440,475)	Mar., 1935 Sunk.	313,186 00	524,091 12	755,383 88	25,179 46	15,654 61
65,000 (31,958)	Mar., 1936 Sunk.	21,904 99	38,137 12	58,820 88	1,960 69	1,171 66
1,024,912 (401,424)	July, 1939 Sunk.	245,874 81	491,722 46	934,613 54	31,153 78	16,207 09
3,586,000 (1,284,983)	July, 1940 Sunk.	754,827 96	1,570,559 26	3,300,423 74	110,014 12	55,010 09
996,000 (273,900)	Jan., 1943 Sunk.	147,070 55	337,857 00	932,043 00	15,534 05	7,035 22
392,000 (101,266)	July, 1944 Sunk.	50,467 41	123,032 19	370,233 81	6,170 56	2,633 40
175,000 (39,375)	Jan., 1946 Sunk.	26,360 49	68,196 44	146,178 56	2,436 30	979 76
1,000,000 (225,000)	Jan., 1946 Sunk.	125,056 77	323,530 66	901,469 34	15,024 48	6,042 15
\$8,877,912 (3,358,381)	- Sunk.	\$2,164,212 31	\$4,135,326 65	\$8,100,966 35	\$233,790 92	\$124,679 34

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1922.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{5}{80}$	$\frac{21}{80}$	$\frac{3}{80}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{7}{30}$	$\frac{3}{30} + \frac{3}{8}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6} + \frac{5}{30}$	$\frac{4}{30} + \frac{3}{8}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{1}{6} + \frac{3}{30}$	$\frac{7}{30} + \frac{3}{8}$	$\frac{1}{30}$
3,586,000	1940	$\frac{1}{8} + \frac{1}{6} + \frac{2}{30}$	$\frac{8}{30} + \frac{3}{8}$	$\frac{1}{30}$
996,000	1943	$\frac{1}{8} + \frac{9}{60}$	$\frac{1}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
175,000	1946	$\frac{1}{8} + \frac{5}{60}$	$\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
1,000,000	1946	$\frac{1}{8} + \frac{6}{60}$	$\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 331.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Waltham	\$46,298,771	5.96	30,915	6.48
Watertown	32,967,258	4.24	21,457	4.50
Newton	101,750,836	13.10	46,054	9.65
Boston	352,462,580	45.39	267,093	55.96
Brighton	\$71,929,090		42,102	
Back Bay	75,505,020		25,811	
Roxbury	51,548,680		53,515	
West Roxbury	48,985,420		42,534	
Dorchester	81,723,260		84,922	
Hyde Park	22,771,110		18,209	
Brookline	118,508,990	15.26	37,748	7.91
Dedham	16,456,200 ¹	2.12	10,497 ²	2.20
Milton	23,972,902	3.09	9,382	1.97
Quincy	63,618,861	8.19	47,876	10.03
Wellesley	20,563,474	2.65	6,224	1.30
	\$776,599,872	100.00	477,246	100.00

¹ 95.656 per cent of the town valuation, derived from figures certified by the chairman of the board of assessors.

² After deducting 295, population of outer area.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1921 and 1922.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1921.	1922.	1921.	1922.
Arlington	\$16,432 66	\$17,833 20	\$24,406 13	\$23,581 09
Belmont	10,501 86	11,589 88	15,016 03	14,981 52
Boston	953,235 07	906,067 40	464,088 53	427,338 84
Braintree	7,150 80	7,891 39	—	—
Brookline	55,473 85	57,005 10	89,815 63	90,750 49
Cambridge	100,445 85	100,628 35	159,936 17	144,571 01
Canton	4,639 14	4,763 62	—	—
Chelsea	28,768 38	28,929 75	51,050 62	44,711 33
Cohasset	206 63	232 49	—	—
Dedham	9,348 25	9,567 91	14,760 98	14,483 66
Dover	1,619 50	1,590 48	—	—
Everett	29,349 12	30,573 22	52,580 25	48,187 95
Hingham	4,768 15	5,312 85	—	—
Hull	5,806 79	6,202 72	—	—
Lexington	—	—	6,652 52	6,651 45
Lynn	73,202 08	73,103 30	—	—
Malden	35,900 33	36,664 77	58,892 69	52,262 00
Medford	30,583 93	31,750 13	45,955 13	41,392 91
Melrose	13,576 76	14,037 11	23,447 16	21,359 60
Milton	11,910 13	11,956 29	19,331 64	19,003 62
Nahant	2,460 57	2,430 93	—	—
Needham	6,744 86	6,684 24	—	—
Newton	50,782 75	53,434 25	80,103 93	82,777 50
Quincy	39,297 56	40,881 99	58,909 79	58,561 94
Reading	—	—	16,934 06	9,171 03
Revere	18,576 24	18,992 63	33,841 27	30,006 19
Saugus	6 303 36	6,293 66	—	—
Somerville	67,653 80	65,822 79	111,731 59	95,065 14
Stonham	5,779 19	6,000 87	9,027 11	8,107 72
Swampscott	8,832 60	8,982 12	—	—
Wakefield	9,609 23	9,598 99	16,642 76	14,649 43
Waltham	22,984 66	26,204 91	38,019 99	41,221 03
Watertown	18,683 69	18,523 99	30,704 43	29,137 72
Wellesley	9,093 39	9,812 11	14,687 23	15,633 97
Weston	3,768 55	3,631 57	—	—
Westwood	1,588 52	1,582 68	—	—
Weymouth	10,114 42	10,442 06	—	—
Winchester	10,958 40	13,052 15	17,620 42	18,994 25
Winthrop	11,505 48	11,541 32	19,887 90	17,617 18
Woburn	11,856 40	11,318 08	20,661 75	17,457 89
	\$1,709,512 95	\$1,680,931 30	\$1,194,705 71	\$1,387,676 46

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1922:

Bonds outstanding (sinking fund)	. . . . .	\$4,125,000 00	
Bonds outstanding (serial)	. . . . .	273,000 00	
		<hr/>	\$4,398,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1922 1,302,027 53

an increase for the year of \$89,928.69.

Net Charles River Basin debt, April 1, 1922 \$3,095,972 47

a decrease for the year of \$99,928.69.

Total Charles River Basin Assessment for 1922 — District.

Serial bonds	. . . . .		\$10,000 00
Interest:			
One year on \$4,125,000	. . . . .	\$142,250 00	
Six months on \$283,000	. . . . .	5,110 00	
Six months on \$273,000	. . . . .	4,930 00	
Interest on advances and tempo- rary loans, estimated, 1922	. . . . .	5,000 00	
Adjustment of interest charges in 1921	. . . . .	7 41	
		<hr/>	\$157,297 41
Less interest on bridge	. . . . .	41,381 82	
		<hr/>	115,915 59
Maintenance as appropriated by Legislature	. . . . .	\$179,200 00	
Less balance on hand	. . . . .	17,336 71	
		<hr/>	161,863 29
		<hr/>	
Total Charles River Basin district assessment	. . . . .		\$287,778 88

Charles River Bridge.

Sinking fund	. . . . .	\$8,503 87
Interest	. . . . .	41,381 82
		<hr/>
		\$49,885 69

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1921.	Amount of Dec. 1, 1921, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Sinking Fund Require- ments for 1922.
\$177,272 73	Jan., 1944	\$207,902 37	\$496,897 71	-	-
283,636 36	Jan., 1945	356,620 02	886,775 36	-	-
425,454 55	Jan., 1946	345,372 34	893,502 54	-	-
815,454 55	Jan., 1947	445,370 17	1,198,753 00	-	-
283,636 36	Jan., 1948	109,081 11	305,462 90	-	-
602,727 28	Jan., 1949	137,300 32	400,019 18	-	-
336,818 17	Jan., 1950	17,680 10	53,591 30	-	-
\$2,925,000 00	-	\$1,619,326 43 ¹	\$4,235,001 99	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$27,396 71	\$65,479 59	\$7,247 68	\$210 64
116,363 64	Jan., 1945	44,391 72	110,384 95	5,978 69	162 47
174,545 45	Jan., 1946	53,337 84	137,988 74	36,556 71	930 57
334,545 45	Jan., 1947	85,858 21	231,094 93	103,450 52	2,470 69
116,363 64	Jan., 1948	26,029 74	72,891 81	43,471 83	975 52
247,272 72	Jan., 1949	47,351 02	137,955 37	109,317 35	2,308 07
138,181 83	Jan., 1950	21,604 36	65,486 39	72,695 44	1,445 91
\$1,200,000 00	-	\$305,969 60	\$821,281 78	\$378,718 22	\$8,503 87

¹ Includes \$639,280.91, balance of cost of embankment which is due from city of Boston.

ANALYSIS OF CHARLES RIVER BASIN DEBT, JULY 1, 1922.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt . . .	\$4,398,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,350,363 57
Sinking fund . . .	1,316,635 22	156,558 17	156,558 17	208,937 28	794,581 60
	\$1,081,364 78	\$443,441 83	\$443,441 83	\$638,699 15	\$1,555,781 97

CHARLES RIVER BASIN LOAN — ASSESSMENT.

(For table of percentages, see page 17.)

CITIES AND TOWNS.	Interest.	Maintenance.	Serial Bonds.	Total.
Arlington . . .	\$1,032 33	\$1,441 54	\$89 06	\$2,562 93
Belmont . . .	690 37	964 02	59 56	1,713 95
Boston . . .	66,751 47	93,211 03	5,758 63	165,721 13
Braintree . . .	493 39	688 97	42 57	1,224 93
Brookline . . .	4,437 56	6,196 56	382 83	11,016 95
Cambridge . . .	6,467 30	9,030 86	557 93	16,056 09
Canton . . .	307 81	429 82	26 55	764 18
Chelsea . . .	1,709 46	2,387 07	147 47	4,244 00
Dedham . . .	644 19	899 53	55 57	1,599 29
Dover . . .	128 02	178 76	11 04	317 82
Everett . . .	1,931 16	2,696 66	166 60	4,794 42
Hingham . . .	366 47	511 74	31 62	909 83
Hull . . .	535 61	747 92	46 21	1,329 74
Lynn . . .	4,544 92	6,346 48	392 09	11,283 49
Malden . . .	1,925 90	2,689 30	166 15	4,781 35
Medford . . .	1,612 26	2,251 34	139 09	4,002 69
Melrose . . .	891 54	1,244 94	76 91	2,213 39
Milton . . .	897 66	1,253 49	77 44	2,228 59
Nahant . . .	195 82	273 44	16 89	486 15
Needham . . .	461 94	645 05	39 85	1,146 84
Newton . . .	3,810 05	5,320 32	328 69	9,459 06
Quincy . . .	2,382 20	3,326 48	205 51	5,914 19
Revere . . .	1,111 61	1,552 24	95 90	2,759 75
Saugus . . .	338 49	472 66	29 20	840 35
Somerville . . .	3,594 42	5,019 21	310 09	8,923 72
Stoneham . . .	308 37	430 61	26 60	765 58
Swampscott . . .	650 59	908 48	56 13	1,615 20
Wakefield . . .	596 64	833 15	51 47	1,481 26
Waltham . . .	1,733 65	2,420 85	149 56	4,304 06
Watertown . . .	1,234 46	1,723 78	106 50	3,064 74
Wellesley . . .	770 00	1,075 22	66 43	1,911 65
Weston . . .	242 04	337 98	20 88	600 90
Westwood . . .	116 20	162 27	10 02	288 49
Weymouth . . .	628 99	878 32	54 26	1,561 57
Winchester . . .	974 45	1,360 71	84 07	2,419 23
Winthrop . . .	722 22	1,008 49	62 31	1,793 02
Woburn . . .	676 03	944 00	58 32	1,678 35
	\$115,915 59	\$161,863 29	\$10,000 00	\$287,778 88 ¹

¹ Exclusive of \$49,885.69, special assessments on Boston and Cambridge, and \$25,497.17, embankment interest on Boston, which are included on page 7.

STATEMENT OF THE DEBTS OF THE METROPOLITAN DISTRICT JULY 1,

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (Sinking Fund).		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (Serial).		161,500 00		—		752,600 00	
Gross debt		\$8,946,500 00		\$700,000 00		\$3,320,100 00	
Sinking funds, July 1, 1922.		4,188,152 37		317,466 12		1,142,628 07	
Net debt		\$4,758,347 63 4,750,847 63 ²		\$382,533 88		\$2,177,471 93 2,025,384 43 ²	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington . . .	.008905898876	\$42,310 57	.008885067317	\$3,398 84	.008905898876	\$18,037 87
2	Belmont . . .	.005955771795	28,294 97	.005941840803	2,272 96	.005955771795	12,062 73
3	Boston . . .	.575862699651	2,735,835 94	.574515714012	219,771 73	.575862699651	1,212,343 35
4	Braintree . . .	.004256481290	20,221 90	.004246525064	1,624 44	.004256481290	8,621 01
5	Brookline . . .	.038282684803	181,875 20	.038193138759	14,610 17	.038282684803	77,537 15
6	Cambridge . . .	.055793144443	265,064 75	.055662640133	21,292 85	.055793144443	113,002 57
7	Canton . . .	.002655433823	12,615 56	.002649222566	1,013 42	.002655433823	5,378 28
8	Chelsea . . .	.014747459634	70,062 93	.014712964230	5,628 21	.014747459634	29,869 28
9	Cohasset . . .	—	—	.002339074297	894 77	—	—
10	Dedham . . .	.005557356807	26,402 16	.005544357736	2,120 90	.005557356807	11,255 78
11	Dover . . .	.001104387502	5,246 78	.001101804258	421 48	.001104387502	2,236 81
12	Everett . . .	.016660084811	79,149 53	.016621115635	6,358 14	.016660084811	33,743 08
13	Hingham . . .	.003161564884	15,020 11	.003154169749	1,206 58	.003161564884	6,403 38
14	Hull . . .	.004620668986	21,952 09	.004609860898	1,763 43	.004620668986	9,358 63
15	Lexington . . .	—	—	—	—	—	—
16	Lynn . . .	.039208917236	186,275 59	.039117204665	14,963 66	.039208917236	79,413 13
17	Malden . . .	.016614654949	78,933 69	.016575792036	6,340 80	.016614654949	38,136 06
18	Medford . . .	.013908913741	66,079 13	.013876379759	5,308 18	.013908913741	33,690 90
19	Melrose . . .	.007691294355	36,540 17	.007673303846	2,935 30	.007691294355	15,577 83
20	Milton . . .	.007744113346	36,791 10	.007725999289	2,955 46	.007744113346	15,684 81
21	Nahant . . .	.001689351653	8,025 85	.001685400134	644 72	.001689351653	3,421 59
22	Needham . . .	.003985164218	18,932 91	.003975812623	1,520 89	.003985164218	8,071 49
23	Newton . . .	.032869195687	159,906 54	.032792312196	12,544 17	.032869195687	66,572 76
24	Quincy . . .	.020551190278	97,635 57	.020503119517	7,843 14	.020551190278	76,124 06
25	Reading . . .	—	—	—	—	—	—
26	Revere . . .	.009589822882	45,559 79	.009567391574	3,659 85	.009589822882	19,423 08
27	Saugus . . .	.002920109272	13,872 99	.002913278919	1,114 43	.002920109272	5,914 34
28	Somerville . . .	.031008952433	147,318 81	.030936420189	11,834 23	.031008952433	66,600 05
29	Stoughton . . .	.002660323621	12,638 79	.002654100926	1,015 28	.002660323621	6,250 68
30	Swampscott . . .	.005612615366	26,664 68	.005599487042	2,141 99	.005612615366	11,367 70
31	Wakefield . . .	.005147216253	24,453 61	.005135176532	1,964 38	.005147216253	10,425 09
32	Waltham . . .	.014956175535	71,054 51	.014921191929	5,707 86	.014956175535	30,292 00
33	Wintertown . . .	.010649615247	50,594 70	.010624705006	4,064 31	.010649615247	21,569 56
34	Wellesley . . .	.006642744939	31,558 67	.006627207065	2,535 13	.006642744939	13,454 11
35	Weston . . .	.002088092231	11,420 21	.002083209026	796 90	.002088092231	4,229 19
36	Westwood . . .	.001002492218	4,762 69	.001000417314	382 59	.001002492218	2,030 43
37	Weymouth . . .	.005426285546	25,779 46	.005413593061	2,070 88	.005426285546	10,990 31
38	Winchester . . .	.008406522500	39,938 11	.008386859019	3,208 26	.008406522500	17,026 44
39	Winthrop . . .	.006230535016	29,600 32	.006215961332	2,377 81	.006230535016	12,619 23
40	Woburn . . .	.005832063173	27,707 21	.005818121544	2,225 74	.005832063173	11,812 17
		1.000000000000	\$1,756,097 63 ¹	1.000000000000	\$382,533 88	1.000000000000	\$2,120,546 93 ⁴

¹ See page 38 for details.² District proportion.

1922 (SECTION 11, CHAPTER 10, GENERAL LAWS).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
728,000 00		928,000 00		1,740,000 00		273,000 00		TOTAL.	
\$7,291,000 00		\$9,805,912 00		\$43,138,000 00		\$4,398,000 00			
3,616,529 33		2,214,742 98		18,623,481 05		1,316,635 22			
\$3,674,470 67		\$7,591,169 02		\$24,514,518 95		\$3,081,364 78 ¹			
3,634,470 67 ²						1,555,781 97 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0357	\$129,750 60	-	-	.010163	\$249,141 06	.008905898876	\$13,855 64	\$456,494 58	1
.0239	86,863 85	-	-	.006460	158,363 79	.005955771795	9,265 88	297,124 18	2
.1366	496,468 70	.4539	\$3,445,631 62	.735133	18,021,431 86	.575862699650	1,978,057 79	28,109,540 99	3
-	-	-	-	-	-	.004256481290	6,622 16	37,089 51	4
-	-	.1526	1,158,412 39	-	-	.038282684803	59,559 51	1,491,994 42	5
.2239	813,757 99	-	-	-	-	.055793144443	530,243 80	1,743,361 94	6
-	-	-	-	-	-	.002655433823	4,131 28	23,138 54	7
.0592	215,160 66	-	-	.024022	588,887 77	.014747459634	22,943 83	932,552 68	8
-	-	-	-	-	-	-	-	894 77	9
-	-	.0212	160,932 78	-	-	.005557356807	8,646 04	209,357 66	10
-	-	-	-	-	-	.001104387502	1,718 19	9,623 26	11
.0668	261,782 64	-	-	.026961	660,935 95	.016660084811	25,919 46	1,067,888 80	12
-	-	-	-	-	-	.003161564884	4,918 71	27,548 78	13
-	-	-	-	-	-	.004620668986	7,188 75	40,262 90	14
.0105	38,161 94	-	-	.004108	100,705 64	-	-	138,867 58	15
-	-	-	-	-	-	.039208917236	61,000 53	341,652 91	16
.0667	261,419 19	-	-	.021224	520,296 15	.016614654949	25,848 75	930,974 64	17
.0558	202,803 46	-	-	.017003	416,820 37	.013908913741	21,639 24	746,341 28	18
.0309	112,305 14	-	-	.009555	234,236 23	.007691294355	11,965 98	413,560 65	19
-	-	.0309	234,567 12	.005685	139,365 04	.007744113346	12,048 15	441,411 68	20
-	-	-	-	.001706	41,821 77	.001689351653	2,628 26	56,542 19	21
-	-	-	-	-	-	.003985164218	6,200 05	34,725 34	22
-	-	.1310	994,443 14	.002858	70,062 50	.032869195687	51,137 30	1,354,666 41	23
-	-	.0819	621,716 74	.033600	823,687 84	.020551190278	31,973 17	1,658,980 52	24
.0137	49,792 25	-	-	-	-	-	-	49,792 25	25
.0385	141,927 12	-	-	.015652	383,701 25	.009589822882	14,919 67	609,190 76	26
-	-	-	-	-	-	.002920109272	4,543 05	25,444 81	27
.1244	452,128 15	-	-	.052823	1,294,930 43	.031008952433	48,243 17	2,021,054 84	28
.0107	38,888 84	-	-	.004674	114,580 86	.002660323621	4,138 88	177,513 33	29
-	-	-	-	.006518	159,785 63	.005612615366	8,732 01	208,692 01	30
.0206	74,870 10	-	-	-	-	.005147216253	8,007 95	119,721 16	31
-	-	.0596	452,433 68	-	-	.014956175535	23,268 55	582,756 60	32
-	-	.0424	321,865 57	.013974	342,565 89	.010649615247	16,568 48	757,228 51	33
-	-	.0265	201,165 98	-	-	.006642744939	10,334 66	259,048 55	34
-	-	-	-	-	-	.002088093231	3,248 62	19,694 92	35
-	-	-	-	-	-	.001002492218	1,559 66	8,735 37	36
-	-	-	-	-	-	.005426285546	8,442 12	47,282 77	37
.0337	122,481 66	-	-	-	-	.008406522500	13,078 72	195,733 19	38
.0250	90,861 77	-	-	.007881	193,198 92	.006230535016	9,693 35	338,351 40	39
.0234	85,046 61	-	-	-	-	.005832063173	9,073 42	135,865 18	40
1.0000	\$3,674,470 67	1.000	\$7,591,169 02	1.000000	\$24,514,518 95	1.000000000000	\$3,081,364 78	\$46,120,701 86	

³ Exclusive of \$2,250, share of county of Middlesex.⁴ Exclusive of \$56,925, share of certain counties and street railways.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 4 per cent per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years, and the result will be the amount necessary.

For instance, to find the amount necessary each year to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	= 1.04040000	\$1 each year for 19 years	= 28.90197165
\$1 in 2 years	= 1.08243216	\$1 in 20 years	= 2.20803964
\$1 each year for 2 years	= 2.12283216	\$1 each year for 20 years	= 31.11001129
\$1 in 3 years	= 1.12616241	\$1 in 21 years	= 2.29724444
\$1 each year for 3 years	= 3.24899457	\$1 each year for 21 years	= 33.40725573
\$1 in 4 years	= 1.17165938	\$1 in 22 years	= 2.39005311
\$1 each year for 4 years	= 4.42065395	\$1 each year for 22 years	= 35.79730884
\$1 in 5 years	= 1.21899441	\$1 in 23 years	= 2.48661126
\$1 each year for 5 years	= 5.63964836	\$1 each year for 23 years	= 38.28392010
\$1 in 6 years	= 1.26824179	\$1 in 24 years	= 2.58707035
\$1 each year for 6 years	= 6.90789015	\$1 each year for 24 years	= 40.87099045
\$1 in 7 years	= 1.31947875	\$1 in 25 years	= 2.69158799
\$1 each year for 7 years	= 8.22736890	\$1 each year for 25 years	= 43.56257844
\$1 in 8 years	= 1.37278570	\$1 in 26 years	= 2.80032815
\$1 each year for 8 years	= 9.60015460	\$1 each year for 26 years	= 46.36290659
\$1 in 9 years	= 1.42824624	\$1 in 27 years	= 2.91346140
\$1 each year for 9 years	= 11.02840084	\$1 each year for 27 years	= 49.27636799
\$1 in 10 years	= 1.48594738	\$1 in 28 years	= 3.03116524
\$1 each year for 10 years	= 12.51434822	\$1 each year for 28 years	= 52.30753323
\$1 in 11 years	= 1.54597966	\$1 in 29 years	= 3.15362432
\$1 each year for 11 years	= 14.06032788	\$1 each year for 29 years	= 55.46115755
\$1 in 12 years	= 1.60843724	\$1 in 30 years	= 3.28103074
\$1 each year for 12 years	= 15.66876512	\$1 each year for 30 years	= 58.74218829
\$1 in 13 years	= 1.67341810	\$1 in 31 years	= 3.41358438
\$1 each year for 13 years	= 17.34218322	\$1 each year for 31 years	= 62.15577267
\$1 in 14 years	= 1.74102419	\$1 in 32 years	= 3.55149318
\$1 each year for 14 years	= 19.08320741	\$1 each year for 32 years	= 65.70726585
\$1 in 15 years	= 1.81136157	\$1 in 33 years	= 3.69497350
\$1 each year for 15 years	= 20.89456898	\$1 each year for 33 years	= 69.40223935
\$1 in 16 years	= 1.88454057	\$1 in 34 years	= 3.84425042
\$1 each year for 16 years	= 22.77910955	\$1 each year for 34 years	= 73.24648977
\$1 in 17 years	= 1.96067601	\$1 in 35 years	= 3.99955813
\$1 each year for 17 years	= 24.73978556	\$1 each year for 35 years	= 77.24604790
\$1 in 18 years	= 2.03988732	\$1 in 36 years	= 4.16114027
\$1 each year for 18 years	= 26.77967288	\$1 each year for 36 years	= 81.40718817
\$1 in 19 years	= 2.12229877		
\$1 each year for 19 years	= 28.90197165		

INDEX.

A.

	PAGE
Alewife Brook	28
Assessments on Counties and Street Railways	9

B.

Boston and Cambridge, Charles River Bridge	38
Boulevards. See "Metropolitan Parks Loan."	

C.

Charles River Basin Debt, Analysis of	38
Charles River Basin Loan:—	
Assessment, how made up	37
Sinking Fund (Charles River Bridge)	38
Sinking Fund (District)	38
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements	39
Proportion in Percentages	17
Charles River Bridge, Boston and Cambridge	37, 38
Comparison of 1921 and 1922 Parks and Sewerage Assessments	36
Comparison of 1921 and 1922 Water Assessments	13
Counties, Assessments on	9

D.

Debts of the Metropolitan District for 1922	40, 41
---	--------

E.

Everett and Malden, Special Assessment	29
--	----

G.

Gross Charles River Basin Loan Debt, April 1, 1922	37
Gross Metropolitan Parks Debt, April 1, 1922	14
Gross Metropolitan Parks, Series 2 (Boulevards) Debt, April 1, 1922	14
Gross Metropolitan Sewerage (North System) Debt, April 1, 1922	29
Gross Metropolitan Sewerage (South System) Debt, April 1, 1922	30
Gross Metropolitan Water Debt, April 1, 1922	10

M.

	PAGE
Malden and Everett, Special Assessment	29
Metropolitan Districts, Statement of the Debts of, for 1922	40, 41
Metropolitan Districts, Total Assessments for	7
Metropolitan Parks Loan:—	
Parks Sinking Fund Requirements	21
Boulevards Sinking Fund Requirements	21
Nantasket Sinking Fund Requirements	21
Parks Interest Requirements	22
Boulevards Interest Requirements	22
Nantasket Interest Requirements	22
Parks Maintenance Requirements	23
Boulevards Maintenance Requirements	23
Nantasket Maintenance Requirements	23
Wellington Bridge Maintenance Requirements	23
Parks Serial Bonds Requirements	24
Boulevards Serial Bonds Requirements	24
Assessment, how made up	14, 15
Division of Assessment into Sinking Fund, Interest, Maintenance and	
Serial Bonds Requirements	16
Neponset Bridge, Special Assessment	25
Newton-Weston Bridge, Special Assessment	26
Proportion in Percentages to be paid annually	17, 18, 19
Sinking Fund, Parks	20
Sinking Fund, Boulevards, Series 2	20
Sinking Fund, Nantasket	20
Wellington Bridge, Special Assessment	27
Metropolitan Parks and Sewerage Loans, Comparison of 1921 and 1922	
Assessments	36
Metropolitan Sewerage Loan, North System:—	
Amounts provided for and to be provided for	32
Assessments, how made up	29
Division of Assessment into Sinking Fund, Serial Bonds, Interest and	
Maintenance Requirements	31
Everett and Malden, Special Assessment	29
Proportion in Percentages to be paid annually	33
Reading, Special Sinking Fund Assessment	31
Revere, Special Assessment	30
Sinking Fund	32
Metropolitan Sewerage Loan, South System:—	
Amounts provided for and to be provided for	34
Assessment, how made up	30
Division of Assessment into Sinking Fund, Serial Bonds, Interest and	
Maintenance Requirements	33
Proportion in Percentages to be paid annually	35
Sinking Fund	34
Metropolitan Water Loan:—	
Assessment, how made up	10
Comparison of Total 1921 and 1922 Assessments	13
Computations for determining Assessment	11
Division of Assessment into Sinking Fund, Interest, Maintenance and	
Serial Bonds Requirements	12
Sinking Fund	11

N.

Nantasket. See "Metropolitan Parks Loan."	PAGE
Neponset Bridge	25
Newton-Weston Bridge	26
Net Charles River Basin Loan Debt, April 1, 1922	37
Net Metropolitan Parks Debt, April 1, 1922	14
Net Metropolitan Parks, Series 2 (Boulevards) Debt, April 1, 1922	14
Net Metropolitan Sewerage (North System) Debt, April 1, 1922	29
Net Metropolitan Sewerage (South System) Debt, April 1, 1922	30
Net Metropolitan Water Debt, April 1, 1922	10
Net Water Debt of Cities in Original Metropolitan Water District	13

O.

Outlet for Sewage of Everett and Malden	29
Outlet for Sewage of Revere	30

P.

Parks Loan. See "Metropolitan Parks Loan."

R.

Revenue from Water received by Cities and Towns, 1921	13
Revere, Special Assessment	30

S.

Sewerage Loan. See "Metropolitan Sewerage Loan, North System;" "Metropolitan Sewerage Loan, South System."	
Sinking Fund Table	42
Special Metropolitan District Assessments	8
Street Railways, Assessments on	9

T.

Total Assessments for Metropolitan Districts	7
--	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District	13
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1921	13
Wellington Bridge:—	
Serial Bonds, Special Assessment	27
Interest, Special Assessment	27
Maintenance, Special Assessment	27
Maintenance, District Assessment	23

The Commonwealth of Massachusetts

1923

ASSESSMENTS

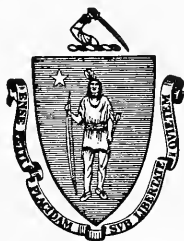
FOR

INTEREST, SINKING FUNDS, SERIAL BONDS
AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL



The Commonwealth of Massachusetts

TREASURY DEPARTMENT, Sept. 1, 1923.

Under the provisions of section 11 of chapter 10 of the General Laws the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1923, to be paid by the cities and towns comprising the metropolitan districts, are compiled and printed as a public document and herewith submitted.

There have been issued during the year 1923, on account of the Metropolitan District, bonds to the amount of \$880,000, bearing interest at the rate of 4 per cent. These bonds are divided as follows: —

Metropolitan Parks, Series 2, Loan.

- \$100,000. Chapters 300, General Acts of 1915, 220, General Acts of 1917, providing for the construction and maintenance of a new bridge over the Neponset river between the cities of Boston and Quincy. The annual serial bonds and interest requirements shall be assessed and paid as follows: 20 per cent. by the city of Boston; 15 per cent. by the city of Quincy; 5 per cent. by the county of Norfolk; $2\frac{1}{2}$ per cent. by the county of Plymouth; 15 per cent. by the Bay State Street Railway Company or such other street railway company as shall have a location on said bridge; $21\frac{1}{4}$ per cent. by the cities and towns of the metropolitan district; and $21\frac{1}{4}$ per cent. by the Commonwealth.
- \$450,000. Chapters 238, General Acts of 1919, 380 and 540, Acts of 1922, providing for the construction and completion by the Metropolitan District Commission of Neponset bridge over the Neponset river between the cities of Boston and Quincy. The annual serial bonds and interest requirements shall be assessed and paid as follows: 23-9/17 per cent. by the city of Boston; 17-11/17 per cent. by the city of Quincy; 5-15/17 per cent. by the county of Norfolk; 2-16/17 per cent. by the county of Plymouth; 25 per cent. by the cities and towns of the Metropolitan district; and 25 per cent. by the Commonwealth.

Metropolitan Sewerage Loan, North System.

- \$150,000. Chapter 529, Acts of 1922, providing for the construction of additional sewers in the north and south Metropolitan Sewerage districts. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the Metropolitan Sewerage district, north system.

Metropolitan Sewerage Loan, South System.

- \$80,000. Chapter 529, Acts of 1922, providing for the construction of additional sewers in the north and south Metropolitan Sewerage districts. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the Metropolitan Sewerage district, south system.

Metropolitan Water Loan.

- \$100,000. Chapter 530, Acts of 1920, authorizing the Metropolitan District Commission to make certain expenditures for the improvement and development of the metropolitan water district. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the metropolitan water district.

The following sections of chapter 92 of the General Laws show the manner of computing the proportions in which the cities and towns of the several metropolitan districts shall annually pay money into the treasury of the Commonwealth to meet the assessments against said districts: —

Metropolitan Sewer.

SECTION 5. The proportions in which each of the towns belonging in whole or in part to the north metropolitan and south metropolitan sewerage districts, respectively, shall annually pay money to the commonwealth to meet interest and sinking fund requirements for each year, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective taxable valuations of the property of said towns, as last established by the general court as a basis of apportionment for state and county taxes.

SECTION 6. The proportions in which each of the towns belonging in whole or in part to either sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the respective sewerage systems, as estimated by the commission and certified by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective populations of said towns as ascertained by the last preceding state or national census. If less than the whole area of any town is included in either of said metropolitan sewerage systems, the valuation and population only of that part of the town included in either of said systems, as determined by the commission, shall be used as a basis in determining the proportion and amount which it shall pay as its share of interest and sinking fund requirements and of the cost of maintenance and operation of works as required by this and the preceding section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system, shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such system, and shall transmit its determinations to the state treasurer.

Metropolitan Water.

SECTION 26. The state treasurer, for the purpose of making the apportionment to the towns in the metropolitan water district of the amount required in each year to pay the interest, sinking fund requirements and expenses of maintenance and operation of the metropolitan water system, shall, in each year, apportion such amount to the towns in said district, one third in proportion to their valuations for the preceding year and the remaining two thirds in proportion to their consumption, in said year, of water received from all sources of supply as determined by the commission and certified to said treasurer; provided, that there shall be included in reckoning such proportion only one fifth of the total valuation, and nothing for consumption of water, for any town which has not reached the safe capacity of its present sources of supply or of the sources of supply of the water company by which it is supplied, determined as aforesaid, or which has not made application to said commission for water; and provided, further, that any town assessed upon its full valuation which obtains a part of its water supply from its own works or receives a supply from a water company shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid, as determined by said commission and certified to said treasurer. The state treasurer shall annually notify each town of the amount of its assessment, and the same shall be paid by the town to the commonwealth at the time required for the payment of and as part of its state tax. . . .

Metropolitan Parks.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen

hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. The proportion in which each town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any town by adding together the percentage which the valuation of the same bears to the total valuation of the towns of the district and the percentage which the population of the same bears to the total population of the towns of the district, and dividing this sum by two.

SECTION 56. The proportion in which each town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable valuations of the property of said towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the towns of the state as a part of the annual state tax.

SECTION 57. The commission shall annually, in accordance with the provisions of the three preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determinations of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 59. For the purposes of the five preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

JAMES JACKSON,
Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1923.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington	\$25,549 71	\$19,248 38	\$25,829 70 ^N	\$2,827 13	\$73,454 92
Belmont	16,126 96	12,547 10	16,281 96 ^N	1,890 63	46,846 65
Boston	1,872,413 17	1,010,501 62	{ 113,783 61 ^N 343,171 03 ^S }	233,200 66	3,573,070 09
Braintree	—	8,582 63	—	1,351 20	9,933 83
Brookline	—	63,655 49	94,140 46 ^S	12,152 62	169,948 57
Cambridge	—	109,795 44	157,828 01 ^N	42,631 30	310,254 75
Canton	—	5,199 75	—	842 95	6,042 70
Chelsea	65,726 02	31,275 30	49,867 26 ^N	4,681 49	151,550 07
Cohasset	—	206 55	—	—	206 55
Dedham	—	10,493 19	15,222 68 ^S	1,764 15	27,480 02
Dover	—	1,784 01	—	350 58	2,134 59
Everett	69,560 27	33,288 42	52,968 05 ^N	5,288 64	161,105 38
Hingham	—	5,843 29	—	1,003 63	6,846 92
Hull	—	7,026 45	—	1,466 81	8,493 26
Lexington	10,466 62	—	7,240 49 ^N	—	17,707 11
Lynn	—	79,457 72	—	12,446 64	91,904 36
Malden	56,670 00	39,184 57	58,089 45 ^N	5,274 23	159,218 25
Medford	48,137 20	33,828 23	46,061 71 ^N	4,415 31	132,442 45
Melrose	25,580 49	15,293 01	23,547 37 ^N	2,441 56	66,862 43
Milton	14,885 63	13,288 41	19,779 72 ^S	2,458 32	50,412 08
Nahant	4,129 19	2,727 01	—	536 27	7,392 47
Needham	—	7,353 25	—	1,265 07	8,618 32
Newton	7,309 44	59,246 15	86,383 80 ^S	10,434 14	163,373 53
Quincy	84,261 23	48,561 38	61,789 61 ^S	6,523 85	201,136 07
Reading	—	—	10,064 92 ^N	—	10,064 92
Revere	43,377 07	20,512 27	33,426 33 ^N	3,044 23	100,359 90
Saugus	—	6,740 52	—	926 97	7,667 49
Somerville	139,164 15	70,607 82	106,182 28 ^N	9,843 61	325,797 86
Stoneham	10,643 58	6,400 43	9,046 36 ^N	844 50	26,934 87
Swampscott	15,429 34	9,937 73	—	1,781 70	27,148 77
Wakefield	—	10,433 13	16,212 23 ^N	1,633 95	28,279 31
Waltham	—	28,680 92	43,370 47 ^S	4,747 75	76,799 14
Watertown	35,023 78	20,291 23	30,640 09 ^S	3,380 66	89,335 76
Wellesley	—	10,968 53	16,204 74 ^S	2,108 71	29,281 98
Weston	—	4,074 62	—	662 85	4,737 47
Westwood	—	1,754 04	—	318 23	2,072 27
Weymouth	—	11,311 37	—	1,722 54	13,033 91
Winchester	—	14,495 92	20,285 77 ^N	2,668 61	37,450 30
Winthrop	20,263 82	12,553 40	19,472 76 ^N	1,977 85	54,267 83
Woburn	—	12,249 45	19,441 11 ^N	1,851 36	33,541 92
	\$2,564,717 67	\$1,859,398 73 ¹	\$1,496,331 97 ²	\$392,760 70 ³	\$6,313,209 07

N, North System.

S, South System.

¹ Includes \$41,661.96, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge, and Wellington Bridge.² Includes \$3,849.99, special assessments on Everett, Malden and Revere.³ Includes \$49,840.18, special assessments on Boston and Cambridge, and \$25,476.26 embankment interest on Boston.

Special Metropolitan District Assessments for 1923.

CITIES AND TOWNS.	Alewife Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metropolitan Sewerage.	Charles River Basin, Bridge Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington	\$2,109 46	—	—	—	—	—	—	—	\$2,109 46
Belmont	1,494 19	—	—	—	—	—	—	—	1,494 19
Boston	—	\$10,505 05	—	—	—	—	\$24,920 09	\$25,476 26	60,901 40
Cambridge	4,131 01	—	—	—	—	—	24,920 09	—	29,051 10
Everett	—	—	—	—	—	\$1,641 66 ¹⁸	—	—	1,641 66
Malden	—	—	—	\$1,644 50	\$2,198 52	1,641 67 ¹⁸	—	—	5,484 69
Medford	—	—	—	2,024 00	2,765 87	—	—	—	4,729 87
Newton	—	—	\$1,375 00	—	—	—	—	—	1,375 00
Quincy	—	7,878 79	—	—	—	—	—	—	7,878 79
Revere	—	—	—	—	—	566 66 ¹⁸	—	—	566 66
Somerville	1,054 72	—	—	1,391 50	1,860 30	—	—	—	4,306 52
Stonham	—	—	—	316 25	422 80	—	—	—	739 05
Weston	—	—	550 00	—	—	—	—	—	550 00
	\$8,789 39 ³	\$18,383 84 ⁴	\$1,925 00 ⁵	\$5,376 25 ⁶	\$7,187 49 ⁷	\$3,849 99	\$40,840 18	\$25,476 26	\$120,828 39

¹ Twelfth assessment under chapter 512, Acts of 1911 (total assessments, 29).² Ninth assessment under chapter 259, Acts of 1914 (total assessments, 11).³ Thirteenth assessment under chapter 329, Acts of 1907 (total assessments, 20), and tenth assessment under chapter 458, Acts of 1911 (total assessments, 20).⁴ Eighth assessment under chapter 309, General Acts of 1915 (total assessments, 18), first assessment under chapter 220, General Acts of 1917 (total assessments, 20), and first assessment under chapter 390, Acts of 1922 (total assessments, 20).⁵ Eighth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).⁶ Ninth assessment under chapter 276, General Acts of 1915 (total assessments, 40).⁷ Eighth assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1923.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Total.
Middlesex County	—	\$825 00	—	\$825 00
Norfolk County	\$2,626 27	—	—	2,626 27
Plymouth County	1,313 12	—	—	1,313 12
Bay State Street Railway Company	4,193 20	—	—	4,193 20
Boston Elevated Railway Company	—	—	\$1,897 50	1,897 50
	\$8,132 59 ¹	\$825 00 ²	\$1,897 50 ³	\$10,855 09

¹ Eighth assessment under chapter 300, General Acts of 1915 (total assessments, 18), first assessment under chapter 220, General Acts of 1917 (total assessments, 20) and first assessment under chapter 380, Acts of 1922 (total assessments, 20).
² Eighth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).
³ Ninth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1923.

Gross water debt, April 1, 1923:	
Bonds outstanding (sinking fund)	\$41,398,000 00
Bonds outstanding (serial)	1,683,000 00
	<u>\$43,081,000 00</u>

a decrease for the year of \$57,000.

Sinking fund, April 1, 1923	<u>19,501,759 72</u>
---------------------------------------	----------------------

an increase for the year of \$1,109,327.96.

Net water debt, April 1, 1923	\$23,579,240 28
---	-----------------

a decrease for the year of \$1,166,327.96.

Total Water Assessment for 1923.

Sinking fund requirements		\$197,492 96
Serial bonds	\$60,000 00	
Less premium	1,150 00	
	<u>58,850 00</u>	
Interest:		
One year on \$41,398,000	\$1,393,435 00	
Six months on 1,740,000	34,306 25	
Six months on 1,783,000	35,182 50	
Interest on advances and temporary loans, estimated, 1923	35,000 00	
Adjustment of interest charges in 1922	22,227 13	
	<u>\$1,520,150 88</u>	
Accrued interest	1,422 22	
	<u>1,518,728 66</u>	
Maintenance as appropriated by Legislature	\$806,150 00	
Less balance on hand	16,503 95	
	<u>789,646 05</u>	
Total water assessment for 1923		\$2,564,717 67

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund, Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$13,000,000	July, 1935	\$7,650,642 62	\$12,551,690 06	\$448,309 94	\$29,767 60
4,000,000	Jan., 1938	2,046,140 48	3,706,300 23	293,699 77	14,624 14
4,000,000	July, 1939	1,846,548 00	3,549,492 51	450,507 49	20,576 22
10,000,000	Jan., 1941	4,118,265 31	8,400,797 18	1,599,202 82	62,129 61
3,500,000	Jan., 1942	1,366,786 39	2,900,729 07	599,270 93	21,572 28
2,000,000	Jan., 1943	718,080 50	1,585,550 20	414,449 80	13,860 28
2,000,000	Jan., 1944	668,697 92	1,536,162 57	463,837 43	14,445 26
650,000	Jan., 1945	231,521 03	553,347 55	96,652 45	2,809 07
1,350,000	Jan., 1946	397,359 98	988,079 80	361,920 20	9,835 51
398,000	Jan., 1949	89,137 91	249,615 39	148,384 61	3,329 80
500,000	Jan., 1950	97,760 41	284,821 18	215,178 82	4,543 19
\$41,398,000	—	\$19,230,940 55	\$36,306,585 74	\$5,091,414 26	\$197,492 96

Computations for determining the Assessment for 1923. (See Section 26 of Chapter 92, General Laws.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1922.	Average Daily Con- sumption (Gallons), 1922.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington	\$27,111,634	1,059,600	.012118	.008884	.009962
Belmont	16,943,022	673,200	.007573	.005645	.006288
Boston	1,678,427,806	85,871,000	.750219	.719989	.730066
Chelsea	43,822,300	3,416,500	.019588	.028646	.025627
Everett	45,141,725	3,648,900	.020177	.030594	.027122
Lexington	10,881,699	440,000	.004864	.003689	.004081
Malden	47,087,457	2,698,000	.021047	.022621	.022096
Medford	43,681,450	2,193,400	.019525	.018391	.018769
Melrose	23,134,000	1,167,800	.010340	.009791	.009974
Milton	22,600,180	436,000	.010102	.003656	.005804
Nahant	4,339,605	172,300	.001940	.001445	.001610
Newton ¹	19,133,569	—	.008552	—	.002850
Quincy	60,924,730	4,253,700	.027232	.035665	.032854
Revere	30,900,700	2,202,200	.013812	.018464	.016913
Somerville	88,169,539	7,357,300	.039408	.061688	.054261
Stonham	8,223,150	523,200	.003676	.004387	.004150
Swampscott	16,746,669	629,800	.007485	.005281	.006016
Watertown	30,809,601	1,621,800	.013771	.013598	.013656
Winthrop	19,176,150	902,400	.008571	.007566	.007901
	\$2,237,251,986	119,267,100	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1923.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Maintenance.	Serial Bonds.	Total Assessment.
Arlington	\$15,129 57	\$1,967 43	\$7,866 45	\$586 26	\$25,549 71
Belmont	9,549 77	1,241 84	4,965 30	370 05	16,126 96
Boston	1,108,772 16	144,182 90	576,493 73	42,964 38	1,872,413 17
Chelsea	38,920 46	5,061 15	20,236 26	1,508 15	65,726 02
Everett	41,190 96	5,356 40	21,416 78	1,596 13	69,560 27
Lexington	6,197 93	805 97	3,222 55	240 17	10,466 62
Malden	33,557 83	4,363 80	17,448 02	1,300 35	56,670 00
Medford	28,505 02	3,706 75	14,820 87	1,104 56	48,137 20
Melrose	15,147 80	1,969 79	7,875 93	586 97	25,580 49
Milton	8,814 70	1,146 25	4,583 11	341 57	14,885 63
Nahant	2,445 15	317 96	1,271 33	94 75	4,129 19
Newton	4,328 38	562 85	2,250 49	167 72	7,309 44
Quincy	49,896 31	6,488 43	25,943 03	1,933 46	84,261 23
Revere	25,686 26	3,340 20	13,355 28	995 33	43,377 07
Somerville	82,407 74	10,716 17	42,846 98	3,193 26	139,164 15
Stoneham	6,302 72	819 60	3,277 03	244 23	10,643 58
Swampscott	9,136 67	1,188 12	4,750 51	354 04	15,429 34
Watertown	20,739 76	2,696 96	10,783 41	803 65	35,023 78
Winthrop	11,999 47	1,560 39	6,238 99	464 97	20,263 82
	\$1,518,728 66	\$197,492 96	\$789,646 05	\$58,850 00	\$2,564,717 67

Comparison of Total Assessments, 1922 and 1923, with Revenue from Water Rates in 1922.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1922.
	1922.	1923.	
Arlington	\$24,666 84	\$25,549 71	\$80,830 02
Belmont	15,679 21	16,126 96	41,461 49 ¹
Boston ²	1,784,257 21	1,872,413 17	3,783,874 98 ³
Chelsea	58,304 32	65,726 02	135,219 58
Everett	65,437 63	69,560 27	146,065 73 ¹
Lexington	9,970 63	10,466 62	30,176 95 ⁴
Malden	51,513 23	56,670 00	140,415 74 ³
Medford	41,268 34	48,137 20	104,073 82 ¹
Melrose	23,191 14	25,580 49	56,580 69 ¹
Milton	13,798 19	14,885 63	68,208 59
Nahant	4,140 66	4,129 19	11,862 38 ¹
Newton	6,936 71	7,309 44	— ⁵
Quincy	81,551 29	84,261 23	234,745 21
Revere	37,989 30	43,377 07	87,131 52 ¹
Somerville	128,207 84	139,164 15	284,126 62 ³
Stoneham	11,344 37	10,643 58	48,282 68
Swampscott	15,819 98	15,429 34	60,514 31
Watertown	33,916 60	35,023 78	110,083 02 ¹
Winthrop	19,128 14	20,263 82	59,709 27 ⁴
	\$2,427,121 63	\$2,564,717 67	\$5,483,362 60

¹ No money received for hydrant rentals or street watering.² Boston's fiscal year ends January 31.³ No money received for hydrant rentals, street watering or from municipal departments.⁴ No money received for street watering.⁵ Not taking water from Metropolitan Works.⁶ No money received for street watering or from municipal departments.

Net Water Debt of the Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1922.	Jan. 1, 1923.	Increase.
Boston	\$301,177 50	\$282,000 00	\$19,177 50 ¹
Chelsea	5,000 00	5,000 00	—
Everett	2,015 50	1,705 54	309 96 ¹
Malden	556 63	32,010 09	31,423 46
Medford	1,667 68	23,619 61	21,951 93
Melrose	73,760 09	73,114 87	645 22 ¹
Somerville	—	—	—
	\$384,207 40	\$417,450 11	\$33,242 71

¹ Decrease.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1923:

Bonds outstanding (sinking fund)	\$9,485,000 00	
Bonds outstanding (serial)	142,250 00	
		\$9,627,250 00

a decrease for the year of \$19,250.

Sinking fund April 1, 1923	4,706,241 09
--------------------------------------	--------------

an increase for the year of \$250,589.27.

Net parks debt, April 1, 1923	\$4,921,008 91
---	----------------

a decrease for the year of \$269,839.27.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1923:

Bonds outstanding (sinking fund) (one-half)	\$2,567,500 00	
Bonds outstanding (serial) (one-half)	525,500 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts of 1915)	18,112 50	
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts of 1915)	165,375 00	
		\$3,276,487 50

a decrease for the year of \$50,306.25.

Sinking fund, April 1, 1923 (one-half)	1,194,684 92
--	--------------

an increase for the year of \$64,728.39.

Net parks, series two (boulevards), debt	\$2,081,802 58
--	----------------

a decrease for the year of \$108,340.89.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1923 is made up as follows:

Parks sinking fund			\$46,002 56
Parks, series two, sinking fund			11,534 00
Nantasket sinking fund			2,922 75
Parks serial bonds			16,750 00
Parks, series two, serial bonds		\$39,006 25	
Less premium		1,538 13	
		<hr/>	37,468 12
Parks interest:			
One year on \$8,785,000	\$301,225 00		
Six months on \$154,000	2,988 75		
Six months on \$137,250	2,658 13		
Interest on advances and temporary loans, estimated, 1923	25,000 00		
	<hr/>	\$331,871 88	
Adjustment of interest charges in 1922		3,442 02	
		<hr/>	328,429 86
Parks, series two, interest:			
One year on \$2,567,500	\$87,737 50		
Six months on \$607,206.25	12,297 87		
Six months on \$708,762.50	14,320 25		
Interest on advances and temporary loans, estimated, 1923	5,000 00		
	<hr/>	\$119,355 62	
Adjustment of interest charges in 1922	\$5,602 60		
Accrued interest	1,902 22		
	<hr/>	7,504 82	
		<hr/>	111,850 80
Nantasket interest:			
One year on \$700,000			21,000 00
Parks maintenance as appropriated by Legislature		\$868,359 00	
Less balance on hand		93,857 65	
		<hr/>	774,501 35
Parks, series two, maintenance		\$290,925 00	
Plus deficit and amounts reserved		108,379 96	
		<hr/>	399,304 96
Nantasket maintenance		\$75,000 00	
Less balance on hand		10,621 38	
		<hr/>	64,378 62
Wellington Bridge maintenance (one-quarter)		\$3,650 00	
Less balance on hand (one-quarter)		56 25	
		<hr/>	3,593 75
		<hr/>	
Total parks assessment for 1923			\$1,817,736 77

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Main- tenance.	Total Serial Bonds.	Grand Total.
Arlington	\$538 38	\$4,107 68	\$12,010 00	\$482 86	\$17,138 92
Belmont	360 04	2,746 99	7,622 97	322 91	11,652 91
Boston	34,812 33	265,606 04	668,356 01	31,222 19	999,996 57
Braintree	257 32	1,963 23	6,131 30	230 78	8,582 63
Brookline	2,314 28	17,657 18	41,608 42	2,075 61	63,655 49
Cambridge	3,372 84	25,733 56	73,533 03	3,025 00	105,664 43
Canton	160 53	1,224 76	3,670 49	143 97	5,199 75
Chelsea	891 52	6,802 00	22,782 20	799 58	31,275 30
Cohasset	6 84	49 12	150 59	-	206 55
Dedham	335 95	2,563 22	7,292 71	301 31	10,493 19
Dover	66 76	509 38	1,147 99	59 88	1,784 01
Everett	1,007 15	7,684 15	23,693 84	903 28	33,288 42
Hingham	191 13	1,458 21	4,022 53	171 42	5,843 29
Hull	279 32	2,131 21	4,365 39	250 53	7,026 45
Lynn	2,370 28	18,084 39	56,877 22	2,125 83	79,457 72
Malden	1,004 40	7,663 20	25,773 13	900 82	35,341 55
Medford	840 84	6,415 22	21,088 19	754 11	29,098 36
Melrose	464 96	3,547 47	10,863 57	417 01	15,293 01
Milton	468 15	3,571 83	8,828 56	419 87	13,288 41
Nahant	102 12	779 18	1,754 11	91 60	2,727 01
Needham	240 91	1,838 08	5,058 19	216 07	7,353 25
Newton	1,987 02	15,160 31	38,941 71	1,782 11	57,871 15
Quincy	1,242 38	9,478 87	28,847 10	1,114 24	40,682 59
Revere	579 73	4,423 13	14,989 47	519 94	20,512 27
Saugus	176 52	1,346 85	5,058 83	158 32	6,740 52
Somerville	1,874 57	14,302 31	48,443 17	1,681 25	66,301 30
Stoneham	160 82	1,227 03	4,129 29	144 24	5,661 38
Swampscott	339 30	2,588 71	6,705 42	304 30	9,937 73
Wakefield	311 17	2,374 06	7,468 82	279 08	10,433 13
Waltham	904 13	6,898 26	20,067 64	810 89	28,680 92
Watertown	643 79	4,911 94	14,158 10	577 40	20,291 23
Wellesley	401 57	3,063 85	7,142 96	360 15	10,968 53
Weston	126 23	963 09	2,322 09	113 21	3,524 62
Westwood	60 60	462 38	1,176 71	54 35	1,754 04
Weymouth	328 03	2,502 77	8,186 37	294 20	11,311 37
Winchester	508 19	3,877 35	9,654 59	455 79	14,495 92
Winthrop	376 65	2,873 72	8,965 22	337 81	12,553 40
Woburn	352 56	2,689 93	8,890 75	316 21	12,249 45
	\$60,459 31	\$461,280 66	\$1,241,778 68	\$54,218 12	\$1,817,736 77

METROPOLITAN PARKS (EXCEPTING NANTASKET), BOULEVARDS AND CHARLES RIVER BASIN.

Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (excepting Parks Maintenance) Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.
Arlington	\$27,569,359	.008905898876
Belmont	18,436,860	.005955771795
Boston	1,782,657,284	.575862699651
Braintree	13,176,487	.004256481290
Brookline	118,508,990	.038282684803
Cambridge	172,714,877	.055793144443
Canton	8,220,238	.002655433823
Chelsea	45,652,664	.014747459634
Dedham	17,203,515	.005557356807
Dover	3,418,774	.001104387502
Everett	51,573,442	.016660084811
Hingham	9,787,032	.003161564884
Hull	14,303,877	.004620668986
Lynn	121,376,262	.039208917236
Malden	51,432,808	.016614654949
Medford	43,056,837	.013908913741
Melrose	23,809,394	.007691294355
Milton	23,972,902	.007744113346
Nahant	5,229,606	.001689351653
Needham	12,336,590	.003985164218
Newton	101,750,836	.032869195687
Quincy	63,618,861	.020551190278
Revere	29,686,534	.009589822882
Saugus	9,039,575	.002920109272
Somerville	95,992,213	.031008952433
Stoneham	8,235,375	.002660323621
Swampscott	17,374,575	.005612615366
Wakefield	15,933,872	.005147216253
Waltham	46,298,771	.014956175535
Watertown	32,967,258	.010649615247
Wellesley	20,563,474	.006642744939
Weston	6,463,962	.002088093231
Westwood	3,103,344	.001002492218
Weymouth	16,797,767	.005426285546
Winchester	26,023,475	.008406522500
Winthrop	19,287,425	.006230535016
Woburn	18,053,904	.005832063173
	\$3,095,629,019	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET).

Proportion of Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.	Popula- tion.	Per Cent.	Average Per Cent.
Arlington	\$27,560,359	.008905898876	18,665	.011364729578	.0101353142270
Belmont	18,436,860	.005955771795	10,749	.006544842124	.0062503069595
Boston	1,782,657,284	.575862699651	747,923	.455394730273	.5156287149620
Braintree	13,176,487	.004256481290	10,580	.006441941545	.0053492114175
Brookline	115,505,990	.038282684803	37,748	.02293970647	.0306333277250
Cambridge	172,714,877	.055793144443	109,694	.066790390912	.0612917676775
Canton	8,220,238	.002655433823	5,945	.003619786624	.0031376102235
Chelsea	45,652,664	.014747459634	43,184	.026293837777	.0205206487055
Dedham	17,203,515	.005557356807	10,792	.006571023928	.0060641903675
Dover	3,418,774	.001104387502	867	.000527898234	.0008161428680
Everett	51,573,442	.016660084811	40,120	.024428232022	.0205441584165
Hingham	9,787,032	.003161564884	5,604	.003412158830	.0032868618570
Hull	14,303,877	.004620668986	1,771	.001078324998	.0028494969920
Lynn	121,376,262	.039208917236	99,148	.060369151259	.0497890342475
Malden	51,432,808	.016614654949	49,103	.029897793544	.0232562242465
Medford	43,056,837	.013908913741	39,038	.023769424767	.0188391692545
Melrose	23,809,394	.007691294355	18,204	.011084036284	.0093876653195
Milton	23,972,902	.007744113346	9,382	.005712504308	.0067283088270
Nahant	5,229,606	.001689351653	1,318	.000802502737	.0012459271950
Needham	12,336,590	.003985164218	7,012	.004269460691	.0041273124545
Newton	101,750,836	.032869195687	46,054	.028041320975	.0304552583310
Quincy	63,618,861	.020551190278	47,876	.029150698811	.0248509445445
Revere	29,686,534	.009589822882	28,823	.017549724117	.0135697734995
Saugus	9,039,575	.002920109272	10,874	.006620952020	.0047705306460
Somerville	95,992,213	.031008952433	93,091	.056681170169	.0438450613010
Stonham	8,235,375	.002660323621	7,873	.004793705651	.0037270146360
Swampscott	17,374,575	.005612615366	8,101	.004932530100	.0052725727330
Wakefield	15,933,872	.005147216253	13,025	.007930651099	.0065389336760
Waltham	46,298,771	.014956175535	30,915	.018823499326	.0168898374305
Watertown	32,967,258	.010649615247	21,457	.013064720202	.0118571677245
Wellesley	20,563,474	.006642744939	6,224	.003789663911	.0052162044250
Weston	6,463,962	.00208093231	2,282	.001389462250	.0017387777405
Westwood	3,103,344	.001092492218	1,358	.000826857903	.0009146750605
Weymouth	16,797,767	.005426285546	15,057	.009167893558	.0072970895520
Winchester	26,023,475	.008406522500	10,485	.006384098025	.0073953102625
Winthrop	19,287,425	.006230535016	15,446	.009404747553	.0078176412845
Woburn	18,053,904	.005832063173	16,574	.010091563248	.0079618132105
	\$3,095,629,019	1.000000000000	1,642,362	1.000000000000	1.000000000000

METROPOLITAN PARKS — NANTASKET.

*Portion of Sinking Fund, Interest and Maintenance Requirements as determined
by Metropolitan District Commission.*

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.
Arlington	\$27,569,359	.008885067317
Belmont	18,436,860	.005941840803
Boston	1,782,657,284	.574515714012
Braintree	13,176,487	.004246525064
Brookline	118,508,990	.038193138759
Cambridge	172,714,877	.055662640133
Canton	8,220,238	.002649222566
Chelsea	45,652,664	.014712964230
Cohasset	7,257,883	.002339074297
Dedham	17,203,515	.005544357736
Dover	3,418,774	.001101804258
Everett	51,573,442	.016621115635
Hingham	9,787,032	.003154169749
Hull	14,303,877	.004609860898
Lynn	121,376,262	.039117204665
Malden	51,432,808	.016575792036
Medford	43,056,837	.013876379759
Melrose	23,809,394	.007673303846
Milton	23,972,902	.007725999289
Nahant	5,229,606	.001685400134
Needham	12,336,590	.003975842623
Newton	101,750,836	.032792312196
Quincy	63,618,861	.020503119517
Revere	29,686,534	.009567391574
Saugus	9,039,575	.002913278919
Somerville	95,992,213	.030936420189
Stoneham	8,235,375	.002654100926
Swampscott	17,374,575	.005599487042
Wakefield	15,933,872	.005135176532
Waltham	46,298,771	.014921191929
Watertown	32,967,258	.010624705006
Wellesley	20,563,474	.006627207065
Weston	6,463,962	.002083209026
Westwood	3,103,344	.001000147314
Weymouth	16,797,767	.005413593061
Winchester	26,023,475	.008386859019
Winthrop	19,287,425	.006215961332
Woburn	18,053,904	.005818421544
	\$3,102,886,902	1.000000000000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$125,000	Jan., 1928	\$85,812 68	\$104,605 18	\$20,394 82	\$3,762 43
1,300,000	Jan., 1934	780,933 07	1,207,306 64	92,693 36	6,858 88
2,000,000	Jan., 1936	1,098,694 57	1,838,575 38	161,424 62	9,684 26
1,400,000	Jan., 1937	735,984 03	1,281,366 00	118,634 00	6,467 82
1,000,000	July, 1938	497,227 49	918,671 94	81,328 06	4,049 56
505,000	July, 1939	239,415 53	460,212 04	44,787 96	2,045 62
650,000	Jan., 1941	319,516 56	651,777 78	1,777 78 ¹	-
125,000	Jan., 1943	45,541 94	100,558 41	24,441 59	817 39
340,000	July, 1943	126,364 68	284,598 59	55,401 41	1,852 77
300,000	Jan., 1944	99,917 54	229,535 01	70,464 99	2,194 49
370,000	Jan., 1945	111,898 56	267,443 50	102,556 50	2,980 66
300,000	Jan., 1946	88,059 50	218,969 74	81,030 26	2,202 07
300,000	Jan., 1947	78,071 17	201,975 61	98,024 39	2,495 28
70,000	Jan., 1949	15,587 05	43,648 85	26,351 15	591 33
\$8,785,000	-	\$4,323,024 37	\$7,809,244 67	\$975,755 33	\$46,002 56

Nantasket.

\$600,000	July, 1939	\$285,796 76	\$549,367 50	\$50,632 50	\$2,312 56
100,000	Jan., 1941	41,322 85	84,293 96	15,706 04	610 19
\$700,000	-	\$327,119 61	\$633,661 46	\$66,338 54	\$2,922 75

¹ Surplus.

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$250,000	Jan., 1934	\$155,994 71	\$241,164 65	\$8,835 35	\$654 00
300,000	Jan., 1936	171,670 21	287,276 04	12,723 96	763 00
500,000	Jan., 1937	274,133 69	477,273 39	22,726 61	1,239 00
50,000	July, 1938	25,965 19	47,972 99	2,027 01	101 00
250,000	July, 1939	124,495 40	239,308 96	10,691 04	488 00
225,000	Jan., 1940	96,734 62	189,665 25	35,334 75	1,486 00
162,500	July, 1940	74,920 46	149,832 64	12,667 36	533 00
55,000	Jan., 1943	20,693 79	45,692 71	9,307 29	311 00
150,000	July, 1943	52,981 32	119,324 55	30,675 45	1,026 00
150,000	Jan., 1944	51,267 78	117,774 62	32,225 38	1,004 00
150,000	Jan., 1945	46,185 22	110,385 13	39,614 87	1,151 00
150,000	Jan., 1946	40,572 47	100,887 96	49,112 04	1,335 00
150,000	Jan., 1947	39,511 31	102,218 54	47,781 46	1,216 00
25,000	Jan., 1949	5,318 43	14,893 35	10,106 65	227 00
\$2,567,500	-	\$1,180,444 60	\$2,243,670 78	\$323,829 22	\$11,534 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington	\$409 69	\$102 72	\$25 97	\$538 38
Belmont	273 98	68 69	17 37	360 04
Boston	26,491 16	6,642 00	1,679 17	34,812 33
Braintree	195 81	49 10	12 41	257 32
Brookline	1,761 10	441 55	111 63	2,314 28
Cambridge	2,566 63	643 52	162 69	3,372 84
Canton	122 16	30 63	7 74	160 53
Chelsea	678 42	170 10	43 00	891 52
Cohasset	—	—	6 84	6 84
Dedham	255 65	64 10	16 20	335 95
Dover	50 80	12 74	3 22	66 76
Everett	766 41	192 16	48 58	1,007 15
Hingham	145 44	36 47	9 22	191 13
Hull	212 56	53 29	13 47	279 32
Lynn	1,803 71	452 24	114 33	2,370 28
Malden	764 32	191 63	48 45	1,004 40
Medford	639 85	160 43	40 56	840 84
Melrose	353 82	88 71	22 43	464 96
Milton	356 25	89 32	22 58	468 15
Nahant	77 71	19 48	4 93	102 12
Needham	183 33	45 96	11 62	240 91
Newton	1,512 07	379 11	95 84	1,987 02
Quincy	945 41	237 04	59 93	1,242 38
Revere	441 16	110 61	27 96	579 73
Saugus	134 33	33 68	8 51	176 52
Somerville	1,426 49	357 66	90 42	1,874 57
Stoneham	122 38	30 68	7 76	160 82
Swampscott	258 19	64 74	16 37	339 30
Wakefield	236 79	59 37	15 01	311 17
Waltham	688 02	172 50	43 61	904 13
Watertown	489 91	122 83	31 05	643 79
Wellesley	305 58	76 62	19 37	401 57
Weston	96 06	24 08	6 09	126 23
Westwood	46 12	11 56	2 92	60 60
Weymouth	249 62	62 59	15 82	328 03
Winchester	386 72	96 96	24 51	508 19
Winthrop	286 62	71 86	18 17	376 65
Woburn	268 29	67 27	17 00	352 56
	\$46,002 56	\$11,534 00	\$2,922 75	\$60,459 31

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington	\$2,924 96	\$996 13	\$186 59	\$4,107 68
Belmont	1,956 05	666 16	124 78	2,746 99
Boston	189,130 51	64,410 70	12,064 83	265,606 04
Braintree	1,397 96	476 09	89 18	1,963 23
Brookline	12,573 18	4,281 95	802 05	17,657 18
Cambridge	18,324 14	6,240 51	1,168 91	25,733 56
Canton	872 12	297 01	55 63	1,224 76
Chelsea	4,843 51	1,649 52	308 97	6,802 00
Cohasset	-	-	49 12	49 12
Dedham	1,825 20	621 59	116 43	2,563 22
Dover	362 71	123 53	23 14	509 38
Everett	5,471 67	1,863 44	349 04	7,684 15
Hingham	1,038 35	353 62	66 24	1,458 21
Hull	1,517 57	516 83	96 81	2,131 21
Lynn	12,877 38	4,385 55	821 46	18,084 39
Malden	5,456 75	1,858 36	348 09	7,663 20
Medford	4,568 10	1,555 72	291 40	6,415 22
Melrose	2,526 05	860 28	161 14	3,547 47
Milton	2,543 40	866 19	162 24	3,571 83
Nahant	554 83	188 96	35 39	779 18
Needham	1,308 85	445 74	83 49	1,838 08
Newton	10,795 23	3,676 44	688 64	15,160 31
Quincy	6,749 63	2,298 67	430 57	9,478 87
Revere	3,149 58	1,072 63	200 92	4,423 13
Saugus	959 05	326 62	61 18	1,346 85
Somerville	10,184 27	3,468 38	649 66	14,302 31
Stoneham	873 73	297 56	55 74	1,227 03
Swampscott	1,843 35	627 77	117 59	2,588 71
Wakefield	1,690 50	575 72	107 84	2,374 06
Waltham	4,912 05	1,672 86	313 35	6,898 26
Watertown	3,497 65	1,191 17	223 12	4,911 94
Wellesley	2,181 68	743 00	139 17	3,063 85
Weston	685 79	233 55	43 75	963 09
Westwood	329 25	112 13	21 00	462 38
Weymouth	1,782 15	606 93	113 69	2,502 77
Winchester	2,760 95	940 28	176 12	3,877 35
Winthrop	2,046 29	696 89	130 54	2,873 72
Woburn	1,915 42	652 32	122 19	2,689 93
	\$328,429 86	\$111,850 80	\$21,000 00	\$461,280 66

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington	\$7,849 81	\$32 01	\$572 01	\$3,556 17	\$12,010 00
Belmont	4,840 87	21 40	382 53	2,378 17	7,622 97
Boston	399,355 14	2,069 51	36,986 53	229,944 83	668,356 01
Braintree	4,142 97	15 30	273 39	1,699 64	6,131 30
Brookline	23,725 55	137 58	2,458 82	15,286 47	41,608 42
Cambridge	47,470 56	200 51	3,583 48	22,278 48	73,533 03
Canton	2,430 08	9 54	170 55	1,060 32	3,670 49
Chelsea	15,893 27	53 00	947 20	5,888 73	22,782 20
Cohasset	—	—	150 59	—	150 59
Dedham	4,696 72	19 97	356 94	2,219 08	7,292 71
Dover	632 10	3 97	70 93	440 99	1,147 99
Everett	15,911 48	59 87	1,070 04	6,652 45	23,693 84
Hingham	2,545 68	11 36	203 06	1,262 43	4,022 53
Hull	2,206 94	16 61	296 78	1,845 06	4,365 39
Lynn	38,561 68	140 91	2,518 31	15,656 32	56,877 22
Malden	18,011 98	59 71	1,067 13	6,634 31	25,773 13
Medford	14,590 96	49 99	893 34	5,553 90	21,088 19
Melrose	7,270 76	27 64	494 00	3,071 17	10,863 57
Milton	5,211 08	27 83	497 39	3,092 26	8,828 56
Nahant	964 97	6 07	108 50	674 57	1,754 11
Needham	3,196 61	14 32	255 96	1,591 30	5,058 19
Newton	23,587 64	118 12	2,111 12	13,124 83	38,941 71
Quincy	19,247 09	73 86	1,319 96	8,206 19	28,847 10
Revere	10,509 81	34 46	615 94	3,829 26	14,989 47
Saugus	3,694 78	10 49	187 55	1,166 01	5,058 83
Somerville	33,958 06	111 44	1,991 64	12,382 03	48,443 17
Stoneham	2,886 58	9 56	170 87	1,062 28	4,129 29
Swampscott	4,083 61	20 17	360 49	2,241 15	6,705 42
Wakefield	5,064 41	18 50	330 60	2,055 31	7,468 82
Waltham	13,081 20	53 75	960 61	5,972 08	20,067 64
Watertown	9,183 39	38 27	684 00	4,252 44	14,158 10
Wellesley	4,039 96	23 87	426 65	2,652 48	7,142 96
Weston	1,346 69	7 50	134 11	833 79	2,322 09
Westwood	708 42	3 60	64 39	400 30	1,176 71
Weymouth	5,651 61	19 50	348 52	2,166 74	8,186 37
Winchester	5,727 68	30 21	539 93	3,356 77	9,654 59
Winthrop	6,054 77	22 39	400 18	2,487 88	8,965 22
Woburn	6,166 44	20 96	374 58	2,328 77	8,890 75
	\$774,501 35	\$3,593 75	\$64,378 62	\$399,304 96	\$1,241,778 68

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington	\$149 17	\$333 69	\$482 86
Belmont	99 76	223 15	322 91
Boston	9,645 70	21,576 49	31,222 19
Braintree	71 30	159 48	230 78
Brookline	641 23	1,434 38	2,075 61
Cambridge	934 54	2,090 46	3,025 00
Canton	44 48	99 49	143 97
Chelsea	247 02	552 56	799 58
Dedham	93 09	208 22	301 31
Dover	18 50	41 38	59 88
Everett	279 06	624 22	903 28
Hingham	52 96	118 46	171 42
Hull	77 40	173 13	250 53
Lynn	656 75	1,469 08	2,125 83
Malden	278 30	622 52	900 82
Medford	232 97	521 14	754 11
Melrose	128 83	288 18	417 01
Milton	129 71	290 16	419 87
Nahant	28 30	63 30	91 60
Needham	66 75	149 32	216 07
Newton	550 56	1,231 55	1,782 11
Quincy	344 23	770 01	1,114 24
Revere	160 63	359 31	519 94
Saugus	48 91	109 41	158 32
Somerville	519 40	1,161 85	1,681 25
Stoneham	44 56	99 68	144 24
Swampscott	94 01	210 29	304 30
Wakefield	86 22	192 86	279 08
Waltham	250 51	560 38	810 89
Watertown	178 38	399 02	577 40
Wellesley	111 26	248 89	360 15
Weston	34 97	78 24	113 21
Westwood	16 79	37 56	54 35
Weymouth	90 89	203 31	294 20
Winchester	140 81	314 98	455 79
Winthrop	104 36	233 45	337 81
Woburn	97 69	218 52	316 21
	\$16,750 00	\$37,468 12	\$54,218 12

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent	\$201,250 00	
Previously assessed	80,500 00	
Outstanding	\$120,750 00	
Serial bonds due Jan. 1, 1924		\$11,500 00
Interest:		
One year on \$120,750	\$4,830 00	
Six months on \$11,500	230 00	
	\$5,060 00	
Less interest on average balance in fund, 57½ per cent	3,089 54	
		1,970 46
		\$13,470 46

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	20	\$4,000 00	\$685 38	\$4,685 38
City of Quincy	15	3,000 00	514 03	3,514 03
County of Norfolk	5	1,000 00	171 35	1,171 35
County of Plymouth	2½	500 00	85 67	585 67
Bay State Street Railway Company	15	3,000 00	514 03	3,514 03
	57½	\$11,500 00	\$1,970 46	\$13,470 46

NEPONSET BRIDGE.

Special Assessment.

[Under Chapter 300, General Acts of 1915, and Chapter 220, General Acts of 1917.]

Bonds issued and outstanding, 57½%	\$57,500 00	
Serial Bonds due Jan. 1, 1924	\$2,875 00	
Less premium	661 25	
		\$2,213 75
Interest:		
One year on \$2,875	\$115 00	
Six months on \$54,625	1,092 50	
	\$1,207 50	
Less accrued interest	817 78	
		389 72
		\$2,603 47

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	20	\$770 00	\$135 55	\$905 55
City of Quincy	15	577 50	101 67	679 17
County of Norfolk	5	192 50	33 89	226 39
County of Plymouth	2½	96 25	16 94	113 19
Bay State Street Railway Company	15	577 50	101 67	679 17
	57½	\$2,213 75	\$389 72	\$2,603 47

NEPONSET BRIDGE.

Special Assessment.

[Chapter 238, General Acts of 1919, and Chapter 380, Acts of 1922.]

Bonds issued and outstanding, 50%		\$225,000 00	
Serial bonds due Jan. 1, 1924		\$11,500 00	
Less premium		2,587 50	
			\$8,912 50
Interest:			
One year on \$11,500	\$460 00		
Six months on \$213,500	4,270 00		
		\$4,730 00	
Less accrued interest		3,200 00	
			1,530 00
			\$10,442 50

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	23 ⁹ / ₁₇	\$4,194 12	\$720 00	\$4,914 12
City of Quincy	17 ¹¹ / ₁₇	3,145 59	540 00	3,685 59
County of Norfolk	5 ¹⁶ / ₁₇	1,048 53	180 00	1,228 53
County of Plymouth	21 ⁶ / ₁₇	524 26	90 00	614 26
	50.00	\$8,912 50	\$1,530 00	\$10,442 50

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 368, Special Acts of 1915.]

Bonds issued, 50 per cent		\$25,000 00	
Previously assessed		20,000 00	
Outstanding		\$5,000 00	
Serial Bonds due Jan. 1, 1924			\$2,500 00
Interest:			
One year on \$5,000		\$200 00	
Six months on \$2,500		50 00	
			250 00
			\$2,750 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton	25	\$1,250 00	\$125 00	\$1,375 00
Town of Weston	10	500 00	50 00	550 00
County of Middlesex	15	750 00	75 00	825 00
	50	\$2,500 00	\$250 00	\$2,750 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent	\$66,125 00	
Previously assessed	52,900 00	
Outstanding	\$13,225 00	
Serial bonds due Jan. 1, 1924		\$6,612 50
Interest:		
One year on \$13,225	\$529 00	
Six months on \$6,612.50	132 25	
		661 25
		\$7,273 75

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden	13	\$1,495 00	\$149 50	\$1,644 50
Medford	16	1,840 00	184 00	2,024 00
Somerville	11	1,265 00	126 50	1,391 50
Stoneham	2½	287 50	28 75	316 25
Boston Elevated Railway Company	15	1,725 00	172 50	1,897 50
	57½	\$6,612 50	\$661 25	\$7,273 75

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden	15.2941	\$2,198 52
Medford	18.8235	2,705 87
Somerville	12.9412	1,860 30
Stoneham	2.9412	422 80
	50.0000	\$7,187 49

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by chapter 529 of the Acts of 1907 and chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent.).
Arlington	\$1,636 79	\$472 67	\$2,109 46	24
Belmont	1,159 39	334 80	1,494 19	17
Cambridge	3,205 38	925 63	4,131 01	47
Somerville	818 39	236 33	1,054 72	12
	\$6,819 95	\$1,969 43	\$8,789 38	100

¹ This table includes the thirteenth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the tenth assessment and interest under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1923:

Bonds outstanding (sinking fund)	\$6,563,000 00	
Bonds outstanding (serial)	702,500 00	
		\$7,265,500 00

a decrease for the year of \$25,500.

Sinking fund April 1, 1923 3,882,136 59

an increase for the year of \$305,714.06.

Net sewerage, north system, debt, April 1, 1923 \$3,383,363 41

a decrease for the year of \$331,214.06.

Assessments, North System.

Sinking fund requirements		\$160,110 08
Serial bonds	\$27,000 00	
Less premium	1,725 00	
		25,275 00

Interest:

One year on \$7,228,000	\$229,055 00	
Six months on \$150,000	3,000 00	
Four months on \$14,000	186 67	
Interest on advances and temporary loans, estimated, 1923	10,000 00	
		\$242,241 67
Adjustment of interest charges in 1922	\$3,305 54	
Accrued interest	1,133 34	
		4,438 88
		237,802 79
Maintenance as appropriated by Legislature	\$363,780 00	
Less balance on hand	5,188 49	
		358,591 51
Total north metropolitan sewerage assessment		\$781,779 38

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued	\$62,000 00	
Previously assessed	26,000 00	
Outstanding	\$36,000 00	
Assessment for 1923 is made up, as follows:		
Serial bonds due Jan. 1, 1924		\$2,000 00
Interest:		
One year on \$36,000	\$1,260 00	
Four months on \$2,000	23 33	
		1,283 33
		\$3,283 33

Everett and Malden, one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued	\$5,500 00	
Previously assessed	4,000 00	
	<hr/>	
Outstanding	\$1,500 00	
Assessment for 1923 is made up, as follows:		
Serial Bond due Jan. 1, 1924		\$500 00
Interest:		
One year on \$1,500	\$60 00	
Four months on \$500	6 66	
	<hr/>	66 66
		<hr/>
		\$566 66

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1923:		
Bonds outstanding (sinking fund)	\$8,877,912 00	
Bonds outstanding (serial)	898,000 00	
	<hr/>	\$9,775,912 00

a decrease for the year of \$30,000.

Sinking fund April 1, 1923	2,409,963 09
--------------------------------------	--------------

an increase for the year of \$219,781.29.

Net sewerage, south system, debt, April 1, 1923	\$7,365,948 91
---	----------------

a decrease for the year of \$249,781.29.

Assessments, South System.

Sinking fund requirements		\$137,295 68
Serial bonds	\$32,000 00	
Deficit in 1922 assessment	8 00	
	<hr/>	\$32,008 00
Less premium	920 00	
	<hr/>	31,088 00
Interest:		
One year on \$9,775,912	\$338,482 36	
Six months on \$80,000	1,600 00	
Interest on advances and temporary loans, estimated, 1923	10,000 00	
	<hr/>	\$350,082 36
Adjustment of interest charges in 1922	\$1,890 51	
Accrued interest	604 45	
	<hr/>	2,494 96
		<hr/>
		347,587 40
Maintenance as appropriated by Legislature	\$200,410 00	
Less balance on hand	5,678 48	
	<hr/>	194,731 52
		<hr/>
Total south metropolitan sewerage assessment		\$710,702 60

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington	\$5,715 93	\$902 32	\$8,489 56	\$10,721 89	\$25,829 70
Belmont	3,826 63	604 07	5,683 49	6,167 77	16,281 96
Boston	21,871 04	3,452 57	32,483 86	55,976 14	113,783 61
Cambridge	35,848 65	5,659 07	53,244 04	63,076 25	157,828 01
Chelsea	9,478 52	1,496 28	14,077 93	24,814 53	49,867 26
Everett	10,695 35	1,688 37	15,885 23	23,057 44	51,326 39
Lexington	1,681 16	265 39	2,496 93	2,797 01	7,240 49
Malden	10,679 34	1,685 84	15,861 45	28,221 15	56,447 78
Medford	8,934 14	1,410 35	13,269 39	22,447 83	46,061 71
Melrose	4,947 40	781 00	7,348 10	10,470 87	23,547 37
Reading	2,193 51	346 27	3,257 90	4,267 24	10,064 92
Revere	6,164 24	973 09	9,155 41	16,566 93	32,859 67
Somerville	19,917 69	3,144 21	29,582 67	53,537 71	106,182 28
Stoneham	1,715 18	270 44	2,544 49	4,518 25	9,046 36
Wakefield	3,298 27	520 66	4,898 74	7,494 56	16,212 23
Winchester	5,395 71	851 77	8,013 95	6,024 34	20,285 77
Winthrop	4,002 75	631 87	5,945 07	8,893 07	19,472 76
Woburn	3,746 57	591 43	5,564 58	9,538 53	19,441 11
	\$160,110 08	\$25,275 00	\$237,802 79	\$358,591 51	\$781,779 38 ¹

¹ Exclusive of \$3,849.99 special assessments on Everett, Malden and Revere which are included on page 5.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1923.
\$5,330,000 (3,930,875)	Jan., 1930 Sunk.	\$3,455,275 31	\$4,559,162 35	\$4,701,712 65	\$176,314 22	\$139,022 56
265,000 (195,437)	Jan., 1930 Sunk.	160,418 83	211,669 24	248,767 76	9,328 79	7,355 69
200,000 (135,249)	Jan., 1930 Sunk.	123,087 02	162,410 71	172,838 29	7,993 76	6,303 03
250,000 (72,917)	July, 1943 Sunk.	39,587 02	89,157 90	233,759 10	7,791 97	3,599 49
50,000 (14,583)	Jan., 1943 Sunk.	8,033 18	17,737 58	46,845 42	1,561 51	735 76
55,000 (16,042)	July, 1943 Sunk.	10,969 95	24,706 53	46,335 47	1,514 52	713 49
300,000 (57,500)	Jan., 1949 Sunk.	29,025 49	81,280 90	276,219 10	4,603 65	1,710 38
113,000 (21,658)	Jan., 1949 Sunk.	9,465 78	26,507 29	108,150 71	1,802 51	669 68
\$6,563,000 (4,144,261)	- Sunk.	\$3,835,862 58	\$5,172,632 50	\$5,834,628 50	\$210,940 93	\$160,110 08

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1923.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{9}{80}$	$\frac{21}{80}$	$\frac{3}{80}$
265,000	1930	$\frac{79}{40} + \frac{1}{3} + \frac{9}{80}$	$\frac{21}{80}$	$\frac{3}{80}$
200,000	1930	$\frac{49}{40} + \frac{1}{3} + \frac{313}{2400}$	$\frac{777}{2400}$	$\frac{111}{2400}$
300,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{9}{60}$	$\frac{19}{30} + \frac{3}{8}$	$\frac{1}{30}$
55,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{9}{60}$	$\frac{19}{30} + \frac{3}{8}$	$\frac{1}{30}$
300,000	1949	$\frac{1}{8} + \frac{1}{10} + \frac{9}{60}$	$\frac{19}{30} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{30}$
113,000	1949	$\frac{1}{8} + \frac{1}{10} + \frac{9}{60}$	$\frac{19}{30} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{30}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 381.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Arlington	\$27,569,359	3.57	18,665	2.99
Belmont	18,436,860	2.39	10,749	1.72
Boston:				
Charlestown }				
East Boston }	105,368,566	13.66	97,323	15.61
Cambridge	172,714,877	22.39	109,694	17.59
Chelsea	45,652,664	5.92	43,184	6.92
Everett	51,573,442	6.68	40,120	6.43
Lexington	8,068,069 ¹	1.05	4,850 ²	0.78
Malden	51,432,808	6.67	49,103	7.87
Medford	43,056,837	5.58	39,038	6.26
Melrose	23,809,394	3.09	18,204	2.92
Reading	10,554,722	1.37	7,439	1.19
Revere	29,686,534	3.85	28,823	4.62
Somerville	95,992,213	12.44	93,091	14.93
Stoneham	8,235,375	1.07	7,873	1.26
Wakefield	15,933,872	2.06	13,025	2.09
Winchester	26,023,475	3.37	10,485	1.68
Winthrop	19,287,425	2.50	15,455	2.48
Woburn	18,053,904	2.34	16,574	2.66
	\$771,450,396	100.00	623,695	100.00

¹ 73.424 per cent of the town valuation, derived from figures certified by the board of assessors.² After deducting 1,500, population of outer area.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Boston	\$62,318 51	\$14,110 84	\$157,769 92	\$108,971 76	\$343,171 03
Brookline	20,951 32	4,744 03	53,041 84	15,403 27	94,140 46
Dedham	2,910 67	659 07	7,368 85	4,284 09	15,222 68
Milton	4,242 44	960 62	10,740 45	3,836 21	19,779 72
Newton	17,985 73	4,072 53	45,533 05	18,791 59	86,383 80
Quincy	11,244 52	2,546 11	28,467 41	19,531 57	61,789 61
Waltham	8,182 82	1,852 84	20,716 21	12,618 60	43,370 47
Watertown	5,821 34	1,318 13	14,737 70	8,762 92	30,640 09
Wellesley	3,638 33	823 83	9,211 07	2,531 51	16,204 74
	\$137,295 68	\$31,088 00	\$347,587 40	\$194,731 52	\$710,702 60

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1923.
\$800,000 (590,000)	Jan., 1930 Sunk.	\$519,867 03	\$685,953 50	\$704,046 50	\$26,401 74	\$20,817 59
839,000 (468,442)	Mar., 1935 Sunk.	342,204 03	550,413 71	757,028 29	25,234 28	16,322 52
65,000 (34,125)	Mar., 1936 Sunk.	24,011 32	40,180 98	58,944 02	1,964 80	1,221 56
1,024,912 (435,588)	July, 1939 Sunk.	272,573 20	523,948 76	936,551 24	31,218 37	16,896 82
3,586,000 (1,404,516)	July, 1940 Sunk.	842,046 00	1,683,998 98	3,306,517 02	110,217 23	57,338 17
996,000 (290,500)	Jan., 1943 Sunk.	160,381 16	354,127 96	932,372 04	31,079 07	14,644 06
392,000 (107,800)	July, 1944 Sunk.	55,254 22	129,471 10	370,328 90	6,172 15	2,740 50
175,000 (42,292)	Jan., 1946 Sunk.	28,465 03	70,781 46	146,510 54	2,441 84	1,021 67
1,000,000 (241,667)	Jan., 1946 Sunk.	136,435 00	339,260 81	902,406 19	15,040 10	6,292 79
\$8,877,912 (3,614,930)	- Sunk.	\$2,381,236 99	\$4,378,137 26	\$8,114,704 74	\$249,769 58	\$137,295 68

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1923.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{9}{80}$	$\frac{21}{80}$	$\frac{3}{80}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$
3,586,000	1940	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$
996,000	1943	$\frac{1}{8} + \frac{1}{6}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$
392,000	1944	$\frac{1}{8} + \frac{1}{6}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$
175,000	1946	$\frac{1}{8} + \frac{1}{6}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$
1,000,000	1946	$\frac{1}{8} + \frac{1}{6}$	$\frac{3}{8} + \frac{1}{4}$	$\frac{1}{30}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 381.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Boston	\$352,462,580	45.39	267,093	55.96
Brighton	\$71,929,090		42,102	
Back Bay	75,505,020		25,811	
Roxbury	51,548,680		53,515	
West Roxbury	48,985,420		42,534	
Dorchester	81,723,260		84,922	
Hyde Park	22,771,110		18,209	
Brookline	118,508,990	15.26	37,748	7.91
Dedham	16,456,200 ¹	2.12	10,497 ²	2.20
Milton	23,972,902	3.09	9,382	1.97
Newton	101,750,836	13.10	46,054	9.65
Quincy	63,618,861	8.19	47,876	10.03
Waltham	46,298,771	5.96	30,915	6.48
Watertown	32,967,258	4.24	21,457	4.50
Wellesley	20,563,474	2.65	6,224	1.30
	\$776,599,872	100.00	477,246	100.00

¹ 95.656 per cent of the town valuation, derived from figures certified by the chairman of the board of assessors.² After deducting 295, population of outer area.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1922 and 1923.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1922.	1923.	1922.	1923.
Arlington	\$17,533 20	\$19,248 38	\$23,581 09	\$25,829 70
Belmont	11,589 88	12,547 10	14,981 52	16,281 96
Boston	906,067 40	1,010,501 62	427,338 84	456,954 64
Braintree	7,891 39	8,582 63	-	-
Brookline	57,005 10	63,655 49	90,750 49	94,140 46
Cambridge	100,628 35	109,795 44	144,571 01	157,828 01
Canton	4,763 62	5,199 75	-	-
Chelsea	28,929 75	31,275 30	44,711 33	49,867 26
Cohasset	232 49	206 55	-	-
Dedham	9,567 91	10,493 19	14,483 66	15,222 68
Dover	1,590 48	1,784 01	-	-
Everett	30,573 22	33,288 42	48,187 95	52,968 05
Hingham	5,312 85	5,843 29	-	-
Hull	6,202 72	7,026 45	-	-
Lexington	-	-	6,651 45	7,240 49
Lynn	73,103 30	79,457 72	-	-
Malden	36,664 77	39,184 57	52,262 00	58,089 45
Medford	31,750 13	33,828 23	41,392 91	46,061 71
Melrose	14,037 11	15,293 01	21,359 60	23,547 37
Milton	11,956 29	13,288 41	19,003 62	19,779 72
Nabant	2,430 93	2,727 01	-	-
Needham	6,684 24	7,353 25	-	-
Newton	53,434 25	59,246 15	82,777 50	86,383 80
Quincy	40,881 99	48,561 38	58,561 94	61,789 61
Reading	-	-	9,171 03	10,064 92
Revere	18,992 63	20,512 27	30,006 19	33,426 33
Saugus	6,293 66	6,740 52	-	-
Somerville	65,822 79	70,607 82	95,065 14	106,182 28
Stoneham	6,000 87	6,400 43	8,107 72	9,046 36
Swampscott	8,982 12	9,937 73	-	-
Wakefield	9,598 99	10,433 13	14,649 43	16,212 23
Waltham	26,204 91	28,680 92	41,221 03	43,370 47
Watertown	18,523 99	20,291 23	29,137 72	30,640 09
Wellesley	9,812 11	10,968 53	15,633 97	16,204 74
Weston	3,631 57	4,074 62	-	-
Westwood	1,582 68	1,754 04	-	-
Weymouth	10,442 06	11,311 37	-	-
Winchester	13,052 15	14,495 92	18,994 25	20,285 77
Winthrop	11,541 32	12,553 40	17,617 18	19,472 76
Woburn	11,318 08	12,249 45	17,457 89	19,441 11
	\$1,680,931 30	\$1,859,398 73	\$1,387,676 46	\$1,496,331 97

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1923:

Bonds outstanding (sinking fund)	\$4,125,000 00	
Bonds outstanding (serial)	263,000 00	
	<hr/>	\$4,388,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1923	1,392,040 45	
	<hr/>	

an increase for the year of \$90,012.92.

Net Charles River Basin debt, April 1, 1923	\$2,995,959 55	
---	----------------	--

a decrease for the year of \$100,012.92.

Total Charles River Basin Assessment for 1923 — District.

Serial bonds		\$10,000 00	
Interest:			
One year on \$4,125,000	\$142,250 00		
Six months on \$273,000	4,930 00		
Six months on \$263,000	4,750 00		
Interest on advances and temporary loans, estimated, 1923	5,000 00		
	<hr/>	\$156,930 00	
Less interest on bridge	\$41,381 82		
Adjustment of interest charges in 1922	1,049 20		
	<hr/>	42,431 02	
			\$114,498 98
Maintenance as appropriated by Legislature	\$199,000 00		
Less balance on hand	6,054 72		
	<hr/>		192,945 28
Total Charles River Basin district assessment			\$317,444 26

Charles River Bridge.

Sinking fund	\$8,458 36	
Interest	41,381 82	
	<hr/>	

\$49,840 18

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$177,272 73	Jan., 1944	\$216,541 92	\$497,449 72	-	-
283,636 36	Jan., 1945	371,439 64	887,760 46	-	-
425,454 55	Jan., 1946	359,724 56	894,495 14	-	-
815,454 55	Jan., 1947	463,877 87	1,200,084 68	-	-
283,636 36	Jan., 1948	113,614 06	305,802 23	-	-
692,727 28	Jan., 1949	143,005 94	400,463 55	-	-
336,818 17	Jan., 1950	18,414 81	53,650 83	-	-
\$2,925,000 00	-	\$1,686,618 80 ¹	\$4,239,706 61	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$28,775 71	\$66,104 83	\$6,622 44	\$206 24
116,363 64	Jan., 1945	46,447 33	111,011 58	5,352 06	155 55
174,545 45	Jan., 1946	56,543 06	140,600 60	33,944 85	922 48
334,545 45	Jan., 1947	91,990 42	237,985 68	96,559 77	2,458 00
116,363 64	Jan., 1948	28,115 33	75,674 88	40,688 76	971 76
247,272 72	Jan., 1949	51,678 43	144,716 56	102,556 16	2,301 40
138,181 83	Jan., 1950	23,971 61	69,840 36	68,341 47	1,442 93
\$1,200,000 00	-	\$327,521 89	\$845,934 49	\$354,065 51	\$8,458 36

¹ Includes \$638,699.15, balance of cost of embankment which is due from city of Boston.

ANALYSIS OF CHARLES RIVER BASIN DEBT, JULY 1, 1923.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt	\$4,388,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,340,363 57
Sinking fund	1,402,408 00	166,947 28	166,947 27	209,141 50	859,371 95
	\$2,985,592 00	\$433,052 72	\$433,052 73	\$638,494 93	\$1,480,991 62

CHARLES RIVER BASIN LOAN — ASSESSMENT.

(For table of percentages, see page 13.)

CITIES AND TOWNS.	Interest.	Maintenance.	Serial Bonds.	Total.
Arlington	\$1,019 72	\$1,718 35	\$89 06	\$2,827 13
Belmont	681 93	1,149 14	59 56	1,890 63
Boston	65,935 69	111,109 99	5,758 63	182,804 31
Braintree	487 36	821 27	42 57	1,351 20
Brookline	4,383 33	7,386 46	382 83	12,152 62
Cambridge	6,388 26	10,765 02	557 93	17,711 21
Canton	304 05	512 35	26 55	842 95
Chelsea	1,688 57	2,845 45	147 47	4,681 49
Dedham	636 31	1,072 27	55 57	1,764 15
Dover	126 45	213 09	11 04	350 58
Everett	1,907 56	3,214 48	166 60	5,288 64
Hingham	362 00	610 01	31 62	1,003 63
Hull	529 06	891 54	46 21	1,466 81
Lynn	4,489 38	7,565 17	392 09	12,446 64
Malden	1,902 36	3,205 72	166 15	5,274 23
Medford	1,592 56	2,683 66	139 09	4,415 31
Melrose	880 65	1,484 00	76 91	2,441 56
Milton	886 69	1,494 19	77 44	2,458 32
Nahant	193 43	325 95	16 89	536 27
Needham	456 30	768 92	39 85	1,265 07
Newton	3,763 49	6,341 96	328 69	10,434 14
Quincy	2,353 09	3,965 25	205 51	6,523 85
Revere	1,098 02	1,850 31	95 90	3,044 23
Saugus	334 35	563 42	29 20	926 97
Somerville	3,550 49	5,983 03	310 09	9,843 61
Stoneham	304 60	513 30	26 60	844 50
Swampscott	642 64	1,082 93	56 13	1,781 70
Wakefield	589 35	993 13	51 47	1,633 95
Waltham	1,712 47	2,885 72	149 56	4,747 75
Watertown	1,219 37	2,054 79	106 50	3,380 66
Wellesley	760 59	1,281 69	66 43	2,108 71
Weston	239 08	402 89	20 88	662 85
Westwood	114 78	193 43	10 02	318 23
Weymouth	621 30	1,046 98	54 26	1,722 54
Winchester	962 54	1,622 00	84 07	2,668 61
Wintthrop	713 39	1,202 15	62 31	1,977 85
Woburn	667 77	1,125 27	58 32	1,851 36
	\$114,498 98	\$192,945 28	\$10,000 00	\$317,444 26 ¹

¹ Exclusive of \$49,840.18, special assessments on Boston and Cambridge, and \$25,476.26, embankment interest on Boston, which are included on page 5.

STATEMENT OF THE DEBTS OF THE METROPOLITAN DISTRICT JULY 1, 1923 (SECTION 11, CHAPTER 10, GENERAL LAWS).

	METROPOLITAN PARKS.	METROPOLITAN PARKS, NANTASKET.	METROPOLITAN PARKS, BOULEVARDS.	METROPOLITAN SEWERAGE, NORTH SYSTEM.	METROPOLITAN SEWERAGE, SOUTH SYSTEM.	METROPOLITAN WATER.	CHARLES RIVER BASIN.	Total.
Bonds outstanding (Sinking Fund)	\$8,785,000 00	\$700,000 00	\$2,567,500 00	\$6,563,000 00	\$8,877,912 00	\$41,398,000 00	\$4,125,000 00	
Bonds outstanding (Serial)	142,250 00	—	1,125,237 50	882,500 00	978,000 00	1,783,000 00	263,000 00	
Gross debt	\$8,927,250 00	\$700,000 00	\$3,692,737 50	\$7,445,500 00	\$9,855,912 00	\$43,181,000 00	\$4,388,000 00	
Sinking funds, July 1, 1923	4,407,134 51	333,434 31	1,203,412 25	3,910,571 23	2,427,568 20	19,670,297 67	1,402,408 00	
Net debt	\$4,520,115 49	\$366,515 69	\$2,489,325 25	\$3,534,928 77	\$7,428,343 80	\$23,510,702 33	\$2,985,592 00 ¹	
	4,515,113 49 ²		2,072,850 25 ²	3,467,428 77 ²			1,480,991 02 ²	
	For percentages see page 13.	For percentages see page 13.	For percentages see page 13.	For percentages see page 27.	For percentages see page 29.	For percentages see page 8.	For percentages see page 13.	
Arlington	\$40,211 14	\$3,256 52	\$18,460 60	\$123,787 21	—	\$234,213 62	\$13,189 56	\$433,118 65
Belmont	26,899 00	2,177 78	12,345 42	82,871 55	—	147,835 30	8,820 45	280,941 49
Boston	2,600,085 44	210,569 02	1,361,559 54	473,650 77	\$3,371,725 25	17,164,364 41	1,024,395 49	27,106,349 92
Braintree	19,218 50	1,356 42	8,823 05	—	—	—	6,303 81	35,901 78
Brookline	172,550 67	13,998 38	79,354 27	—	1,133,565 26	—	56,696 34	1,456,464 92
Cambridge	251,912 38	20,401 23	115,650 83	776,357 30	—	—	515,681 91	1,680,003 64
Campton	11,989 59	5,504 32	5,504 32	—	—	—	3,432 68	22,387 57
Chelsea	66,586 45	5,392 53	30,569 28	205,271 78	—	602,508 77	21,840 86	932,169 67
Cohasset	—	857 31	—	—	—	—	—	857 31
Dedham	25,092 10	2,032 09	11,519 57	—	157,480 89	—	8,230 40	204,355 05
Dorchester	4,986 44	403 83	2,289 23	—	—	—	1,635 59	9,315 09
Dover	75,922 17	6,091 90	34,533 86	249,624 24	—	637,657 27	24,673 45	1,027,802 89
Everett	14,274 82	1,156 05	6,553 45	—	—	—	4,082 25	26,606 57
Hingham	—	1,689 59	9,577 95	—	—	—	6,843 17	38,973 55
Hull	20,862 84	—	—	—	—	—	—	132,355 18
Lexington	—	—	—	36,408 00	—	—	—	330,712 07
Lynn	177,032 71	14,337 07	81,274 21	—	—	—	58,068 08	911,898 17
Malden	75,017 05	6,075 29	37,429 69	249,277 50	—	519,492 48	24,096 16	755,751 21
Medford	62,890 32	5,085 91	32,511 10	193,482 53	—	441,272 37	20,598 98	406,512 39
Melrose	34,727 07	2,812 39	15,042 39	107,143 55	—	234,495 74	11,390 74	431,310 55
Milton	34,965 55	2,891 70	16,052 39	—	229,535 82	—	11,468 97	136,456 12
Nahant	7,627 61	3,501 77	3,501 77	—	—	37,852 23	2,501 92	52,101 26
Needham	17,993 47	1,457 21	8,260 65	—	—	—	5,901 99	33,613 32
Newton	150,908 15	12,018 60	68,132 92	—	973,113 04	67,005 50	48,679 00	1,319,857 51
Quincy	92,790 96	7,514 71	168,511 24	—	608,381 36	772,429 61	30,436 14	1,680,055 02
Reading	—	—	—	47,503 77	—	—	—	47,503 77
Revere	—	—	—	134,996 01	—	—	—	613,518 98
Saugus	43,299 14	3,506 60	19,878 27	—	—	307,636 51	14,202 45	24,629 99
	13,184 62	1,067 76	6,052 95	—	—	—	4,324 60	

Somerville	.	.	.	.	.	140,008 94	11,338 68	66,806 91	431,348 14	-	1,275,714 22	45,924 00	1,971,140 89
Stoneham	.	.	.	.	.	12,011 66	972 77	6,089 45	37,101 49	-	97,569 41	3,939 92	157,684 70
Swampscott	.	.	.	.	.	25,341 60	2,052 30	11,634 11	-	-	141,440 38	8,312 24	188,780 63
Wakfield	.	.	.	.	.	23,240 27	1,882 12	10,669 41	71,429 03	-	-	7,622 98	114,843 81
Waltham	.	.	.	.	.	67,528 83	5,468 85	31,001 91	-	442,729 29	-	22,149 97	568,878 85
Watertown	.	.	.	.	.	48,084 22	3,894 12	22,075 06	-	-	321,062 15	15,771 99	735,849 32
Wellesley	.	.	.	.	.	29,992 75	2,428 98	13,769 42	-	314,961 78	-	9,837 85	252,880 11
Weston	.	.	.	.	.	10,427 98	763 53	4,328 30	-	196,851 11	-	3,092 45	18,612 26
Westwood	.	.	.	.	.	4,526 37	366 57	2,078 02	-	-	-	1,484 68	8,455 64
Weymouth	.	.	.	.	.	24,500 29	1,984 17	11,247 88	-	-	-	8,036 28	45,768 62
Winchester	.	.	.	.	.	37,956 40	3,073 91	17,425 46	116,852 35	-	-	12,449 99	187,758 11
Winthrop	.	.	.	.	.	28,131 57	2,278 25	12,914 97	86,685 72	-	185,758 06	9,227 37	324,995 94
Woburn	.	.	.	.	.	26,332 43	2,132 54	12,088 99	81,137 83	-	-	8,637 24	130,329 03
						\$4,518,613 49 ³	\$366,515 66	\$2,376,419 35 ⁴	\$3,504,928 77	\$7,428,343 80	\$23,510,702 33	\$2,985,592 00	\$44,601,115 43

¹ See page 33 for details.² District proportion.³ Exclusive of \$1,500, share of County of Middlesex.⁴ Exclusive of \$112,905.90, share of certain counties and street railways.

INDEX.

	PAGE
A.	
Alewife Brook	23
Assessments on Counties and Street Railways	7
B.	
Boston and Cambridge, Charles River Bridge Boulevards. See "Metropolitan Parks Loan."	32
C.	
Charles River Basin Debt, Analysis of	32
Charles River Basin Loan:—	
Assessment, how made up	31
Sinking Fund (Charles River Bridge)	32
Sinking Fund (District)	32
Division of Assessment into Interest, Maintenance and Serial Bonds Require- ments	33
Proportion in Percentages	13
Charles River Bridge, Boston and Cambridge.	31, 32
Comparison of 1922 and 1923 Parks and Sewerage Assessments	30
Comparison of 1922 and 1923 Water Assessments	9
Counties, Assessments on	7
D.	
Debts of the Metropolitan District for 1923	34, 35
E.	
Everett and Malden, Special Assessment	24
G.	
Gross Charles River Basin Loan Debt, April 1, 1923	31
Gross Metropolitan Parks Debt, April 1, 1923	10
Gross Metropolitan Parks, Series 2 (Boulevards) Debt, April 1, 1923	10
Gross Metropolitan Sewerage (North System) Debt, April 1, 1923	24
Gross Metropolitan Sewerage (South System) Debt, April 1, 1923	25
Gross Metropolitan Water Debt, April 1, 1923	7
M.	
Malden and Everett, Special Assessment	24
Metropolitan Districts, Statement of the Debts of, for 1923	34, 35
Metropolitan Districts, Total Assessments for	5
Metropolitan Parks Loan:—	
Parks Sinking Fund Requirements	17
Boulevards Sinking Fund Requirements	17
Nantasket Sinking Fund Requirements	17
Parks Interest Requirements	18
Boulevards Interest Requirements	18
Nantasket Interest Requirements	18

	PAGE
Metropolitan Parks Loan — <i>Con.</i>	
Parks Maintenance Requirements	19
Boulevards Maintenance Requirements	19
Nantasket Maintenance Requirements	19
Wellington Bridge Maintenance Requirements	19
Parks Serial Bonds Requirements	20
Boulevards Serial Bonds Requirements	20
Assessment, how made up	10, 11
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements	12
Neponset Bridge, Special Assessments	21, 22
Newton-Weston Bridge, Special Assessment	22
Proportion in Percentages to be paid annually	13, 14, 15
Sinking Fund, Parks	16
Sinking Fund, Boulevards, Series 2	16
Sinking Fund, Nantasket	16
Wellington Bridge, Special Assessment	23
Metropolitan Parks and Sewerage Loans, Comparison of 1922 and 1923 Assessments	30
Metropolitan Sewerage Loan, North System:—	
Amounts provided for and to be provided for	27
Assessments, how made up	24
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	26
Everett and Malden, Special Assessment	24
Proportion in Percentages to be paid annually	27
Reading, Special Sinking Fund Assessment	26
Revere, Special Assessment	25
Sinking Fund	26
Metropolitan Sewerage Loan, South System:—	
Amounts provided for and to be provided for	29
Assessment, how made up	25
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	28
Proportion in Percentages to be paid annually	29
Sinking Fund	28
Metropolitan Water Loan:—	
Assessment, how made up	7
Comparison of Total 1922 and 1923 Assessments	9
Computations for determining Assessment	8
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements	9
Sinking Fund	8

N.

Nantasket. See "Metropolitan Parks Loan."	
Neponset Bridge	21, 22
Newton-Weston Bridge	22
Net Charles River Basin Loan Debt, April 1, 1923	31
Net Metropolitan Parks Debt, April 1, 1923	10
Net Metropolitan Parks, Series 2 (Boulevards) Debt, April 1, 1923	10
Net Metropolitan Sewerage (North System) Debt, April 1, 1923	24
Net Metropolitan Sewerage (South System) Debt, April 1, 1923	25
Net Metropolitan Water Debt, April 1, 1923	7
Net Water Debt of Cities in Original Metropolitan Water District	10

O.

Outlet for Sewage of Everett and Malden	24
Outlet for Sewage of Revere	25

P.

Parks Loan. See "Metropolitan Parks Loan."

R.

Revenue from Water received by Cities and Towns, 1922	9
Revere, Special Assessment	25

S.

	PAGE
Sewerage Loan. See "Metropolitan Sewerage Loan, North System;" "Metropolitan Sewerage Loan, South System."	
Special Metropolitan District Assessments	6
Street Railways, Assessments on	7

T.

Total Assessments for Metropolitan Districts	5
--	---

W.

Water Debt, Net, of Cities in Original Metropolitan Water District	10
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1922	9
Wellington Bridge:—	
Serial Bonds, Special Assessment	23
Interest, Special Assessment	23
Maintenance, Special Assessment	23
Maintenance, District Assessment	19

The Commonwealth of Massachusetts

MASS.
DOCS.
COLL.

1924

ASSESSMENTS

FOR

Interest, Sinking Funds, Serial Bonds
and Maintenance

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL



THE COMMONWEALTH OF MASSACHUSETTS

TREASURY DEPARTMENT, Sept. 2, 1924.

Under the provisions of section 11 of chapter 10 of the General Laws the following computations for annual assessments for interest, sinking funds, serial bond payments and maintenance for 1924, to be paid by the cities and towns comprising the metropolitan districts, are compiled and printed as a public document and herewith submitted.

There was issued during the year 1924, on account of the Metropolitan Water District, bonds to the amount of \$1,000,000, bearing interest at the rate of 4 per cent. These bonds were issued under chapter 530 of the Acts of the year 1920, authorizing the Metropolitan District Commission to make certain expenditures for the improvement and development of the Metropolitan Water System. The annual serial bonds, and interest requirements are to be assessed upon and paid by the cities and towns of the Metropolitan Water district.

The following sections of chapter 92 of the General Laws show the manner of computing the proportions in which the cities and towns of the several metropolitan districts shall annually pay money into the treasury of the Commonwealth to meet the assessments against said districts:—

Metropolitan Sewer.

SECTION 5. The proportions in which each of the towns belonging in whole or in part to the north metropolitan and south metropolitan sewerage districts, respectively, shall annually pay money to the commonwealth to meet interest and sinking fund requirements for each year, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective taxable valuations of the property of said towns, as last established by the general court as a basis of apportionment for state and county taxes.

SECTION 6. The proportions in which each of the towns belonging in whole or in part to either sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the respective sewerage systems, as estimated by the commission and certified by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective populations of said towns as ascertained by the last preceding state or national census. If less than the whole area of any town is included in either of said metropolitan sewerage systems, the valuation and population only of that part of the town included in either of said systems, as determined by the commission, shall be used as a basis in determining the proportion and amount which it shall pay as its share of interest and sinking fund requirements and of the cost of maintenance and operation of works as required by this and the preceding section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system, shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such system, and shall transmit its determinations to the state treasurer.

Metropolitan Water.

SECTION 26. The state treasurer, for the purpose of making the apportionment to the towns in the metropolitan water district of the amount required in each year to pay the interest, sinking fund requirements and expenses of maintenance and operation of the metropolitan water system, shall, in each year, apportion such amount to the towns in said district, one third in proportion to their valuations for the preceding year and the remaining two thirds in proportion to their consumption, in said year, of water received from all sources of

supply as determined by the commission and certified to said treasurer; provided, that there shall be included in reckoning such proportion only one fifth of the total valuation, and nothing for consumption of water, for any town which has not reached the safe capacity of its present sources of supply or of the sources of supply of the water company by which it is supplied, determined as aforesaid, or which has not made application to said commission for water; and provided, further, that any town assessed upon its full valuation which obtains a part of its water supply from its own works or receives a supply from a water company shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid, as determined by said commission and certified to said treasurer. The state treasurer shall annually notify each town of the amount of its assessment, and the same shall be paid by the town to the commonwealth at the time required for the payment of and as part of its state tax. . . .

Metropolitan Parks.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. The proportion in which each town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any town by adding together the percentage which the valuation of the same bears to the total valuation of the towns of the district and the percentage which the population of the same bears to the total population of the towns of the district, and dividing this sum by two.

SECTION 56. The proportion in which each town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable valuations of the property of said towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the towns of the state as a part of the annual state tax.

SECTION 57. The commission shall annually, in accordance with the provisions of the three preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determination of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid

by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 59. For the purposes of the five preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

JAMES JACKSON,
Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1924.

Cities and Towns	Metropolitan Water	Metropolitan Parks and Boulevards	Metropolitan Sewerage North and South Systems	Charles River Basin	Total
Arlington	\$29,239.38	\$19,589.09	\$25,182.95n	\$2,765.14	\$76,776.56
Belmont	18,812.22	12,697.61	15,966.93n	1,849.19	49,325.95
Boston	1,829,973.63	1,020,906.53	{109,563.37n 364,836.51s	230,088.00	3,555,368.04
Braintree		8,844.74		1,321.58	10,166.32
Brookline		63,525.90	98,976.16s	11,886.23	174,388.29
Cambridge		111,863.10	154,258.49n	43,074.09	309,195.68
Canton		5,334.90		824.47	6,159.37
Chelsea	66,810.29	32,466.15	47,973.43n	4,578.87	151,828.74
Cohasset		226.22			226.22
Dedham		10,704.52	16,141.72s	1,725.48	28,571.72
Dover		1,770.68		342.89	2,113.57
Everett	75,924.49	34,258.39	51,373.19n	5,172.72	166,728.79
Hingham		5,940.32		981.63	6,921.95
Hull		6,890.15		1,434.67	8,324.82
Lexington	10,557.19		7,091.89n		17,649.08
Lynn		81,945.23		12,173.80	94,119.03
Malden	57,571.16	40,663.01	55,890.01n	5,158.61	159,282.79
Medford	52,026.17	35,022.42	44,386.58n	4,318.52	135,753.69
Melrose	26,475.80	15,727.04	22,848.59n	2,388.03	67,439.46
Milton	14,738.24	13,357.82	20,841.60s	2,404.43	51,322.09
Nahant	4,188.70	2,706.25		524.52	7,419.47
Needham		7,473.29		1,237.33	8,710.62
Newton	7,413.74	59,675.95	91,177.10s	10,205.41	168,472.20
Quincy	86,652.47	53,102.04	65,683.75s	6,380.84	211,819.10
Reading			9,798.90n		9,798.90
Revere	43,289.27	21,318.77	32,124.60n	2,977.50	99,710.14
Saugus		7,076.98		906.65	7,983.63
Somerville	142,275.86	73,281.53	102,039.97n	9,627.83	327,225.19
Stoneham	11,505.56	6,641.38	8,700.20n	825.99	27,673.13
Swampscott	15,360.30	10,029.91		1,742.61	27,132.85
Wakefield		10,760.06	15,686.36n	1,598.13	28,044.55
Waltham		29,330.69	46,020.42s	4,643.68	79,994.79
Watertown	36,204.42	20,729.80	32,500.60s	3,306.55	92,741.37
Wellesley		10,931.92	17,027.97s	2,062.48	30,022.37
Weston		4,057.24		648.32	4,705.56
Westwood		1,766.65		311.26	2,077.91
Weymouth		11,713.50		1,684.78	13,398.28
Winchester		14,562.58	20,153.59n	2,610.11	37,326.28
Winthrop	20,408.15	12,935.29	18,858.18n	1,934.50	54,136.12
Woburn		12,698.57	18,724.07n	1,810.77	33,233.41
	\$2,549,427.04	\$1,892,506.22 ¹	\$1,513,827.13 ²	\$387,527.64 ³	\$6,343,288.03

N. North System

S. South System

¹ Includes \$49,702.78 special assessments for Alewife Brook, Neponset Bridge, Newton Weston Bridge, and Wellington Bridge, and \$29,038.52, Division of Metropolitan Planning.

² Includes \$2,760.01, special assessments on Everett, Malden and Revere.

³ Includes \$51,502.21, special assessments on Boston and Cambridge, and \$25,539.80 embankment interest on Boston.

Special Metropolitan District Assessments for 1924.

CITIES AND TOWNS	Alewife Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metro-politan Sewerage.	Charles River Basin, Bridge Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington	\$2,052 16	—	—	—	—	—	—	—	\$2,052 16
Belmont	1,453 61	—	—	—	—	—	—	—	1,453 61
Boston	—	\$15,057 20	—	—	—	—	\$25,751 12	\$25,539 80	66,348 12
Cambridge	4,018 82	—	—	—	—	—	25,751 12	—	29,769 94
Everett	—	—	—	—	—	\$1,606 67 ¹⁸	—	—	1,606 67
Malden	—	—	—	\$1,584 70	\$2,375 56	1,606 67 ¹⁸	—	—	5,566 93
Medford	—	—	—	1,950 40	2,923 76	—	—	—	4,874 16
Newton	—	—	\$1,325 00	—	—	—	—	—	1,325 00
Quincy	—	11,292 90	—	—	—	—	—	—	11,292 90
Revere	—	—	—	—	—	546 67 ¹⁸	—	—	546 67
Somerville	1,026 08	—	—	1,340 90	2,010 10	—	—	—	4,377 08
Stonham	—	—	—	304 75	456 84	—	—	—	761 59
Weston	—	—	530 00	—	—	—	—	—	530 00
	\$8,550 67 ³	\$26,350 10 ⁴	\$1,855 00 ⁵	\$5,180 75 ⁶	\$7,766 26 ⁷	\$3,760 01	\$51,502 24	\$25,539 80	\$130,504 83

¹Thirteenth assessment under chapter 512, Acts of 1911 (total assessments, 29).

²Tenth assessment under chapter 259, Acts of 1914 (total assessments, 11).

³Fourteenth assessment under chapter 529, Acts of 1907 (total assessments, 20) and eleventh assessment under chapter 458, Acts of 1911 (total assessments, 20).

⁴Ninth assessment under chapter 300, General Acts of 1915 (total assessments, 18), second assessment under chapter 380, Acts of 1922 (total assessments, 20).

⁵Tenth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).

⁶Ninth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

⁷Ninth assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1924.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Total.
Middlesex County	—	\$795 00	—	\$795 00
Norfolk County	\$3,764 30	—	—	3,764 30
Plymouth County	1,882 15	—	—	1,882 15
Bay State Street Railway Co...	5,363 97	—	—	5,363 97
Boston Elevated Railway Co...	—	—	\$1,828 50	1,828 50
	\$11,010 42 ¹	\$795 00 ²	\$1,828 50 ³	\$13,633 92

¹ Ninth assessment under chapter 300, General Acts of 1915 (total assessments, 18), second assessment under chapter 220, General Acts of 1917 (total assessments, 20) and second assessment under chapter 380, Acts of 1922 (total assessments, 20).

² Ninth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).

³ Tenth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1924.

Gross water debt, April 1, 1924:

Bonds outstanding (sinking fund) \$41,398,000 00

Bonds outstanding (serial) 2,723,000 00

————— \$44,121,000 00

an increase for the year of \$1,040,000.

Sinking fund, April 1, 1924 20,618,041 28

an increase for the year of \$1,116,281.56.

Net water debt, April 1, 1924 \$23,502,958 72

a decrease for the year of \$76,281.56.

Total Water Assessment for 1924.

Sinking fund requirements \$190,306 67

Serial bonds \$85,000 00

Less premium 12,680 00

————— 72,320 00

Interest:

One year on \$41,398,000..... \$1,393,435 00

Six months on 1,783,000..... 35,182 50

Six months on 2,723,000..... 53,998 75

Interest on advances and temporary loans, estimated, 1924 35,000 00

Adjustment of interest charges in 1923 12,572 42

————— \$1,530,188 67

Accrued interest 6,444 44

————— 1,523,744 23

Maintenance as appropriated by Legislature.... \$776,320 00

Less balance on hand 13,263 86

————— 763,056 14

Total water assessment for 1924 \$2,549,427 04

METROPOLITAN WATER LOAN.
Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund, Dec. 1, 1923.	Amount of Dec. 1, 1923 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1924.
\$13,000,000	July, 1935	\$8,018,545 06	\$12,644,437 72	\$355,562 28	\$26,309 98
4,000,000	Jan., 1938	2,151,197 73	3,745,287 29	254,712 71	13,886 72
4,000,000	July, 1939	1,948,735 95	3,600,462 72	399,537 28	19,894 10
10,000,000	Jan., 1941	4,362,409 56	8,553,271 77	1,446,728 23	60,840 30
3,500,000	Jan., 1942	1,448,766 42	2,955,320 25	544,679 75	21,161 01
2,000,000	Jan., 1943	763,677 73	1,620,752 31	379,247 69	13,651 99
2,000,000	Jan., 1944	712,697 57	1,573,664 49	426,335 51	14,257 77
650,000	Jan., 1945	244,562 62	561,820 12	88,179 88	2,746 18
1,350,000	Jan., 1946	424,757 58	1,015,193 18	334,806 82	9,730 70
398,000	Jan., 1949	96,407 33	259,488 81	138,511 19	3,308 05
500,000	Jan., 1950	106,624 31	298,583 06	201,416 94	4,519 87
\$41,398,000	—	\$20,278,381 86	\$36,828,281 72	\$4,569,718 28	\$190,306 67

*Computations for determining the Assessment for 1924. (See Section 26 of
Chapter 92, General Laws.)*

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1923.	Average Daily Con- sumption (Gallons), 1923.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington	\$33,764,000	1,251,100	.014427	.009989	.011469
Belmont	19,451,085	865,700	.008311	.006912	.007379
Boston	1,716,066,700	88,932,800	.733252	.710071	.717798
Chelsea	47,725,600	3,646,100	.020393	.029112	.026206
Everett	48,052,775	4,309,200	.020532	.034406	.029781
Lexington	12,603,789	440,700	.005385	.003519	.004141
Malden	51,770,550	2,857,100	.022121	.022812	.022582
Medford	47,478,300	2,563,400	.020287	.020467	.020407
Melrose	25,510,250	1,268,400	.010900	.010127	.010385
Milton	23,679,535	452,500	.010118	.003613	.005781
Nahant	4,443,065	189,900	.001898	.001516	.001643
Newton ¹	20,418,320	—	.008724	—	.002908
Quincy	82,584,075	4,175,700	.035287	.033340	.033989
Revere	34,915,400	2,255,800	.014919	.018011	.016980
Somerville	92,528,400	8,008,500	.039536	.062943	.055897
Stoneham	8,694,575	615,200	.003715	.004912	.004513
Swampscott	17,692,779	658,500	.007560	.005258	.006025
Watertown	32,276,091	1,804,300	.013791	.014406	.014201
Winthrop	20,697,000	950,100	.008844	.007586	.008005
	\$2,340,352,289	125,245,000	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1924.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Maintenance.	Serial Bonds.	Total Assessment.
Arlington	\$17,475 82	\$2,182 63	\$8,751 49	\$829 44	\$29,239 38
Belmont	11,243 71	1,404 27	5,630 59	533 65	18,812 22
Boston	1,093,740 56	136,601 75	547,720 17	51,911 15	1,829,973 63
Chelsea	39,931 24	4,987 18	19,996 65	1,895 22	66,810 29
Everett	45,378 63	5,667 52	22,724 58	2,153 76	75,924 49
Lexington	6,309 83	788 06	3,159 82	299 48	10,557 19
Malden	34,409 19	4,297 51	17,231 33	1,633 13	57,571 16
Medford	31,095 05	3,883 59	15,571 69	1,475 84	52,026 17
Melrose	15,824 08	1,976 34	7,924 34	751 04	26,475 80
Milton	8,808 77	1,100 16	4,411 23	418 08	14,738 24
Nahant	2,503 51	312 67	1,253 70	118 82	4,188 70
Newton	4,431 05	553 41	2,218 97	210 31	7,413 74
Quincy	51,790 54	6,468 33	25,935 52	2,458 08	86,652 47
Revere	25,873 18	3,231 41	12,956 69	1,227 99	43,289 27
Somerville	85,035 59	10,620 44	42,583 87	4,035 96	142,275 86
Stoneham	6,876 66	858 85	3,443 67	326 38	11,505 56
Swampscott	9,180 56	1,146 60	4,597 41	435 73	15,360 30
Watertown	21,638 69	2,702 55	10,836 16	1,027 02	36,204 42
Winthrop	12,197 57	1,523 40	6,108 26	578 92	20,408 15
	\$1,523,744 23	\$190,306 67	\$763,056 14	\$72,320 00	\$2,549,427 04

Comparison of Total Assessments, 1923 and 1924, with Revenue from Water Rates in 1923.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1923.
	1923.	1924.	
Arlington	\$25,549 71	\$29,239 38	\$83,144 32
Belmont	16,126 96	18,812 22	52,814 78 ¹
Boston ²	1,872,413 17	1,829,973 63	3,908,028 36 ³
Chelsea	65,726 02	66,810 29	149,391 55
Everett	69,560 27	75,924 49	175,762 21 ⁴
Lexington	10,466 62	10,557 19	35,856 50 ⁵
Malden	56,670 00	57,571 16	150,643 00 ⁶
Medford	48,137 20	52,026 17	112,695 23 ⁷
Melrose	25,580 49	26,475 80	56,791 58 ⁸
Milton	14,885 63	14,738 24	75,249 35 ⁹
Nahant	4,129 19	4,188 70	12,859 48 ⁹
Newton	7,309 41	7,413 74	— ⁹
Quincy	84,261 23	86,652 47	242,757 00
Revere	43,377 07	43,289 27	90,599 55 ¹
Somerville	139,164 15	142,275 86	310,289 00 ¹
Stoneham	10,643 58	11,505 56	45,215 70 ⁶
Swampscott	15,429 31	15,360 30	54,908 51
Watertown	35,923 78	36,204 42	115,900 35 ¹
Winthrop	20,263 82	20,408 15	65,144 29 ¹
	\$2,564,717 67	\$2,549,427 04	\$5,737,961 69

¹ No money received for hydrant rentals or street watering.² Boston's fiscal year ends January 31.³ No money received for hydrant rentals, street watering or from municipal departments.⁴ No money received for street watering.⁵ No money received for street watering or from municipal departments.⁶ Not taking water from Metropolitan Works.

Net Water Debt of the Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1923.	Jan. 1, 1924.	Decrease.
Boston	\$282,000 09	\$266,000 00	\$16,000 00
Chelsea	5,000 00	3,000 00	2,000 00
Everett	1,705 54	4,561 63	6,267 17
Malden	3,201 09	6,058 74	2,857 65
Medford	23,619 61	18,158 08	5,461 53
Melrose	73,114 87	77,051 21	3,939 34
Somerville	—	—	—
¹ Increase.	\$382,238 93	\$353,591 92	\$28,647 01

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1924:

Bonds outstanding (sinking fund)	\$9,485,000 00
Bonds outstanding (serial)	123,000 00

\$9,608,000 00

a decrease for the year of \$19,250.

Sinking fund April 1, 1924	4,958,822 66
----------------------------------	--------------

an increase for the year of \$252,581 57.

Net parks debt, April 1, 1924	\$4,649,177 34
-------------------------------------	----------------

a decrease for the year of \$271,831 57.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1924:

Bonds outstanding (sinking fund) (one-half)	\$2,567,500 00
Bonds outstanding (serial) (one-half)	500,000 00
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts of 1915)	9,056 25
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts of 1915 and chapter 220, General Acts of 1917)	224,437 50
Bonds outstanding (serial) 75 per cent. (chap- ter 238, General Acts of 1919, and chapter 380, Acts of 1922)	320,250 00

\$3,621,243 75

an increase for the year of \$344,756.25.

Sinking fund, April 1, 1924 (one-half)	1,260,122 07
--	--------------

an increase for the year of \$65,437.15.

Net parks, series two (boulevards), debt	\$2,361,121 68
--	----------------

an increase for the year of \$279,319.10.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1924 is made up as follows:

Parks sinking fund	\$46,133 23
Parks, series two, sinking fund	11,360 00
Nantasket sinking fund	2,928 75
Parks serial bonds	16,750 00
Parks, series two, serial bonds	39,006 25

Parks interest:

One year on \$8,785,000 00...	\$301,225 00
Six months on 137,250 00...	2,658 12
Six months on 120,500 00...	2,327 50
Interest on advances and tem- porary loans, estimated, 1924	25 000 00
	\$331,210 62
Adjustment of interest charges in 1923	144 64

331,065 98

Parks, series two, interest:

One year on \$2,567,500 00...	\$87,737 50
Six months on 708,762 50...	14,320 25
Six months on 669,756 25...	13,531 38
Interest on advances and temporary loans, estimated, 1924	5,000 00
Adjustment of interest charges in 1923	8,812 82

129,401 95

Nantasket interest:

One year on \$700,000	21,000 00
-----------------------------	-----------

21,000 00

Parks maintenance as appropriated by Legislature

\$978,394 00

Less balance on hand	61,599 74
----------------------------	-----------

916,794 26

Parks, series two, maintenance	\$244,250 00
--------------------------------------	--------------

Less balance on hand	21,593 78
----------------------------	-----------

222,656 22

Nantasket maintenance	\$78,000 00
-----------------------------	-------------

Less balance on hand	5,214 84
----------------------------	----------

72,785 16

Wellington Bridge maintenance (one-quarter) ..	\$3,925 00
--	------------

Less balance on hand (one-quarter)	41 87
--	-------

3,883 12

 Total parks assessment for 1924 \$1,813,764 92¹
¹ Exclusive of \$29,038.52 Division of Metropolitan Planning.

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE AND NAN-TASKET AND METROPOLITAN PLANNING DIVISION.

Total Assessments and Grand Total.

CITIES AND TOWNS	Total Sinking Fund	Total Interest	Total Maintenance	Total Serial Bonds	Metropolitan Planning Division	Grand Total
Arlington	\$538.05	\$4,287.47	\$11,956.23	\$496.56	\$258.62	\$17,536.93
Belmont	359.82	2,867.22	7,511.94	332.07	172.95	11,244.00
Boston	34,790.82	277,231.14	644,997.22	32,107.95	16,722.20	1,005,849.33
Braintree	257.17	2,049.16	6,177.48	237.33	123.60	8,844.74
Brookline	2,312.85	18,430.00	39,536.89	2,134.49	1,111.67	63,525.90
Cambridge	3,370.75	26,859.86	72,882.70	3,110.82	1,620.15	107,844.28
Canton	160.43	1,278.37	3,670.93	148.06	77.11	5,334.90
Chelsea	890.97	7,099.70	23,224.98	822.26	428.24	32,466.15
Cohasset	6.85	49.12	170.25	.....	.....	226.22
Dedham	335.75	2,675.41	7,222.12	309.86	161.38	10,704.52
Dover	66.73	531.68	1,078.62	61.58	32.07	1,770.68
Everett	1,006.52	8,020.48	23,818.70	928.91	483.78	34,258.39
Hingham	191.01	1,522.04	3,959.18	176.28	91.81	5,940.32
Hull	279.16	2,224.48	3,994.69	257.64	134.18	6,890.15
Lynn	2,368.80	18,875.91	57,375.81	2,186.14	1,138.57	81,945.23
Malden	1,003.78	7,998.61	26,291.52	926.38	482.46	36,702.75
Medford	840.31	6,696.01	21,432.55	775.50	403.89	30,148.26
Melrose	464.67	3,702.74	10,907.45	428.84	223.34	15,727.04
Milton	467.86	3,728.15	8,485.15	431.78	224.88	13,337.82
Nahant	102.07	813.29	1,647.63	94.20	49.06	2,706.25
Needham	240.76	1,918.53	4,976.08	222.20	115.72	7,473.29
Newton	1,985.80	15,823.85	37,754.17	1,832.66	954.47	58,350.95
Quincy	1,241.60	9,893.74	28,931.17	1,145.85	596.78	41,809.14
Revere	579.37	4,616.72	15,309.52	534.69	278.47	21,318.77
Saugus	176.41	1,405.80	5,247.16	162.81	84.80	7,076.98
Somerville	1,873.41	14,928.29	49,473.36	1,728.94	990.45	68,904.45
Stoneham	160.72	1,280.73	4,212.76	148.33	77.25	5,879.79
Swampscott	339.09	2,702.01	6,512.89	312.94	162.98	10,029.91
Wakefield	310.97	2,477.97	7,534.67	286.98	149.47	10,760.06
Waltham	903.58	7,200.19	19,958.72	833.89	434.31	29,330.69
Watertown	643.40	5,126.92	14,056.45	593.78	309.25	20,729.80
Wellesley	401.32	3,197.94	6,769.39	370.37	192.90	10,931.92
Weston	126.15	1,005.25	2,218.77	116.43	60.64	3,527.24
Westwood	60.57	482.61	1,138.47	55.89	20.11	1,766.65
Weymouth	327.83	2,612.32	8,313.23	302.55	157.57	11,713.50
Winchester	507.88	4,047.05	9,294.82	468.72	244.11	14,562.58
Winthrop	376.41	2,999.50	9,031.06	347.39	180.93	12,935.29
Woburn	352.34	2,807.67	9,044.03	325.18	169.35	12,698.57
	\$60,421.98	\$481,467.93	\$1,216,118.76	\$55,756.25	\$29,038.52	\$1,842,803.44

METROPOLITAN PARKS (EXCEPTING NANTASKET), BOULEVARDS AND CHARLES RIVER BASIN.

Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (excepting Parks Maintenance) Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.
Arlington	\$27,569.359	.008905898876
Belmont	18,436.860	.005955771795
Boston	1,782,657.281	.575862699651
Braintree	13,176.487	.004256481290
Brookline	118,508.990	.038282684803
Cambridge	172,714.877	.055793144443
Canton	8,220.238	.002655433823
Chelsea	45,652.664	.014747459634
Dedham	17,203.515	.005557356807
Dover	3,418.774	.001104387502
Everett	51,573.442	.016660084811
Hingham	9,787.042	.003161564884
Hull	14,303.877	.004620668986
Lynn	121,376.262	.039208917236
Malden	51,432.808	.016614654949
Medford	43,056.837	.013908913741
Melrose	23,809.394	.007691294355
Milton	23,972.902	.007744113346
Nahant	5,229.606	.001689351653
Needham	12,336.590	.003985164218
Newton	101,750.836	.032869195687
Quincy	63,618.861	.020551190278
Revere	29,686.534	.009589822882
Saugus	9,039.575	.002920109272
Somerville	95,992.213	.031008952433
Stoneham	8,235.375	.002660323621
Swampscott	17,374.575	.005612615366
Wakefield	15,933.872	.005147216253
Waltham	46,298.771	.014956175535
Watertown	32,967.258	.010649615247
Wellesley	20,563.474	.006642744939
Weston	6,463.962	.002088093231
Westwood	3,103.344	.001002492218
Weymouth	16,797.767	.005426285546
Winchester	26,023.475	.008406522500
Winthrop	19,287.425	.006230535016
Woburn	18,053.904	.005832063173
	\$3,095,629,019	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET).

Proportion of Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS	Valuation (Chapter 381, Acts of 1922).	Per Cent.	Popula- tion.	Per Cent.	Average Per Cent.
Arlington	\$27,569,359	.008905898876	18,665	.011364729578	.0101353142270
Belmont	18,436,860	.005955771795	10,749	.006544842124	.0062503069595
Boston	1,782,657,284	.575862699651	747,923	.455394730273	.5156287149620
Braintree	13,176,487	.004256481290	10,580	.006441941545	.0053492114175
Brookline	118,508,990	.038282684803	37,748	.022983970647	.0306333277250
Cambridge	172,714,877	.05579314443	109,694	.066790390912	.0612917676775
Canton	8,220,238	.002655438823	5,945	.003619786624	.0031376102235
Chelsea	45,652,664	.014747459634	43,184	.026293837777	.0205206487055
Dedham	17,203,515	.005557356807	10,792	.006571023928	.0060641903675
Dover	3,418,774	.001104387502	867	.000527898234	.0008161428680
Everett	51,573,442	.016660084811	40,120	.024428232022	.0205441584165
Hingham	9,787,032	.003161564884	5,604	.003412158830	.0032868618570
Hull	14,303,877	.004620668986	1,771	.001378324998	.0028494969920
Lynn	121,376,262	.039208917236	99,148	.060369151259	.0497890342475
Malden	51,432,808	.016614654949	49,103	.029897793544	.0232562242465
Medford	43,056,837	.013908913741	39,038	.023769424767	.0188391692540
Melrose	23,809,394	.007691294355	18,204	.011084036284	.0093876653195
Milton	28,972,902	.007744113346	9,382	.005712504308	.0067288088270
Nahant	5,229,606	.001689351653	1,318	.000802502737	.0012459271950
Needham	12,336,590	.003985164218	7,012	.004269460691	.0041273124545
Newton	101,750,836	.032869195687	46,054	.028041320975	.0304552583310
Quincy	63,618,861	.020551190278	47,876	.029150698811	.0248509445445
Revere	29,686,534	.009589822882	28,823	.017549724117	.0135697734995
Saugus	9,039,575	.002920109272	10,874	.006620952020	.0047705306460
Somerville	95,992,213	.031008952433	93,091	.056681170169	.0438450613010
Stoneham	8,235,375	.002660323621	7,873	.004793705651	.0037270146360
Swampscott	17,374,575	.005612615366	8,101	.004932530130	.0052725727330
Wakefield	15,933,872	.005147216253	13,025	.007930651399	.0065389336760
Waltham	46,298,771	.014956175535	30,913	.018825499326	.0168898374305
Watertown	32,967,258	.010649615247	21,457	.013064720202	.0118571677245
Wellesley	20,563,474	.006642744939	6,224	.003789663911	.0052162044250
Weston	6,463,962	.002088093231	2,282	.001389462250	.0017387777405
Westwood	3,103,344	.001002492218	1,358	.000826857933	.0009146750605
Weymouth	16,797,767	.005426285546	15,057	.009167893558	.0072970895520
Winchester	26,023,475	.008406522500	10,485	.006384098025	.0073953102625
Wintthrop	19,287,425	.006230535016	15,446	.009404747553	.0078176412845
Woburn	18,053,904	.005832063173	16,574	.010091563248	.0079618132105
	\$3,095,629,019	1.000000000000	1,642,362	1.000000000000	1.000000000000

METROPOLITAN PARKS — NANTASKET.

Proportion of Sinking Fund, Interest and Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.
Arlington	\$27,569,359	.008885067317
Belmont	18,426,860	.005941840803
Boston	1,782,657,284	.574515714912
Braintree	13,176,487	.004246525064
Brookline	118,508,990	.038193138759
Cambridge	172,714,877	.055662640133
Canton	8,220,238	.002649222566
Chelsea	45,652,664	.014712964230
Cohasset	7,257,883	.002339074297
Dedham	17,203,515	.005544357736
Dover	3,418,774	.001101804258
Everett	51,573,442	.016621115635
Hingham	9,787,032	.003154169749
Hull	14,303,877	.004609860898
Lynn	121,376,262	.039117204665
Malden	51,432,808	.016575792036
Medford	43,056,837	.013876379759
Melrose	23,809,394	.007673393846
Milton	23,972,902	.007725999289
Nahant	5,229,606	.001685400134
Needham	12,336,590	.003975842623
Newton	101,750,836	.032792312196
Quincy	63,618,861	.020563119517
Revere	29,686,534	.009567391574
Saugus	9,039,575	.002913278919
Somerville	95,992,213	.030936420189
Stonham	8,235,375	.002654100926
Swampscott	17,374,575	.005599487042
Wakefield	15,933,872	.005135176532
Waltham	46,298,771	.014921191929
Watertown	32,967,258	.010624705006
Wellesley	20,563,474	.006627207065
Weston	6,463,962	.002083209026
Westwood	3,103,344	.001000147314
Weymouth	16,797,767	.005413593061
Winchester	26,023,175	.008386859019
Winthrop	19,287,125	.006215961332
Woburn	18,053,904	.005818421544
	\$3,102,886,902	1.000000000000

METROPOLITAN PARKS LOAN.
Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1923.	Amount of Dec. 1, 1923 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1924.
\$125,000	Jan., 1928	\$93,012 53	\$108,979 00	\$16,021 00	\$3,770 54
1,300,000	Jan., 1934	819,073 93	1,217,100 76	82,899 24	6,891 96
2,000,000	Jan., 1936	1,152,389 45	1,853,546 11	146,453 89	9,724 48
1,400,000	Jan., 1937	771,933 30	1,291,767 16	108,232 84	6,493 15
1,000,000	July, 1938	521,194 59	925,560 64	74,439 36	4,058 37
505,000	July, 1939	251,051 46	463,839 87	41,160 13	2,049 48
650,000	Jan., 1941	332,315 50	651,563 03	1,563 03 ¹	—
125,000	Jan., 1943	48,183 61	102,260 02	22,739 98	818 58
340,000	July, 1943	133,279 26	288,515 58	51,484 42	1,853 31
300,000	Jan., 1944	106,114 45	234,304 91	65,695 09	2,197 02
370,000	Jan., 1945	119,361 56	274,202 68	95,797 32	2,983 41
300,000	Jan., 1946	93,788 99	224,160 67	75,839 33	2,204 17
300,000	Jan., 1947	83,693 76	208,113 85	91,886 15	2,497 09
70,000	Jan., 1949	16,802 75	45,226 08	24,773 92	591 67
\$8,785,000	—	\$4,542,195 14	\$7,889,140 36	\$895,859 64	\$46,133 23

Nantasket.

\$600,000	July, 1939	\$299,557 53	\$553,459 14	\$46,540 86	\$2 317 40
100,000	Jan., 1941	43,588 32	85,462 57	14,537 43	611 35
\$700,000	—	\$343,145 85	\$638,921 71	\$61,078 29	\$2,928 75

¹ Surplus.

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1923.	Amount of Dec. 1, 1923 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1924.
\$250,000	Jan., 1934	\$163,186 20	\$242,486 11	\$7,513 89	\$625 00
300,000	Jan., 1936	179,627 63	288,919 76	11,080 24	736 00
500,000	Jan., 1937	286,861 19	480,038 70	19,961 30	1,198 00
50,000	July, 1938	27,154 35	48,221 90	1,778 10	97 00
250,000	July, 1939	130,200 80	240,557 53	9,442 47	470 00
225,000	Jan., 1940	102,274 61	192 740 65	32,259 35	1,473 00
162,500	July, 1940	78,593 25	151,074 41	11,425 59	522 00
55,000	Jan., 1943	21,872 03	46,418 98	8,581 02	309 00
150,000	July, 1943	56,227 68	121,718 57	28,281 43	1,018 00
150,000	Jan., 1944	54,420 33	120,162 24	29,837 76	998 00
150,000	Jan., 1945	49,271 77	113,189 29	36,810 71	1,146 00
150,000	Jan., 1946	43,607 80	104,224 93	45,775 05	1,330 00
150,000	Jan., 1947	42,383 16	105,390 44	44,609 56	1 212 00
25,000	Jan., 1949	5,768 32	15,525 94	9,474 06	226 00
\$2,567,500	—	\$1,241,449 12	\$2,270,669 47	\$296,830 53	\$11,360 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington	\$410 86	\$101 17	\$26 02	\$538 05
Belmont	274 76	67 66	17 40	359 82
Boston	26,566 41	6,541 89	1,682 61	34,790 82
Braintree	196 37	48 36	12 44	257 17
Brookline	1,766 19	434 89	111 86	2,312 85
Cambridge	2,573 92	633 81	163 02	3,370 75
Canton	122 50	30 17	7 76	160 43
Chelsea	680 35	167 53	43 09	890 97
Cohasset	—	—	6 85	6 85
Dedham	256 38	63 13	16 24	335 75
Dover	50 95	12 55	3 23	66 73
Everett	768 58	189 26	48 68	1,006 52
Hingham	145 85	35 92	9 24	191 01
Hull	213 17	52 49	13 50	279 16
Lynn	1,808 83	445 41	114 56	2,368 80
Malden	766 49	188 74	48 55	1,003 78
Medford	641 66	158 01	40 64	840 31
Melrose	354 83	87 37	22 47	464 67
Milton	357 26	87 97	22 63	467 86
Nahant	77 94	19 19	4 94	102 07
Needham	183 85	45 27	11 64	240 76
Newton	1,516 36	373 40	96 04	1,985 80
Quincy	948 09	233 46	69 05	1,241 60
Revere	442 41	108 94	28 02	579 37
Saugus	134 71	33 17	8 53	176 41
Somerville	1,430 54	352 26	90 61	1,873 41
Stoneham	122 73	30 22	7 77	160 72
Swampscott	258 93	63 76	16 40	339 09
Wakefield	237 46	58 47	15 04	310 97
Waltham	689 98	169 90	43 70	903 58
Watertown	491 30	120 98	31 12	643 40
Wellesley	306 45	75 46	19 41	401 32
Weston	96 33	23 72	6 10	126 15
Westwood	46 25	11 39	2 93	60 57
Weymouth	250 33	61 64	15 86	327 83
Winchester	387 82	95 50	24 56	507 88
Winthrop	287 43	70 78	18 20	376 41
Woburn	269 05	66 25	17 01	352 31
	\$46,133 23	\$11,360 00	\$2,928 75	\$60,421 98

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington	\$2,948 44	\$1,152 44	\$186 59	\$4,287 47
Belmont	1,971 75	770 69	124 78	2,867 22
Boston	190,648 55	74,517 76	12,064 83	277,231 14
Braintree	1,409 18	550 80	89 18	2,049 16
Brookline	12,674 09	4,953 86	892 05	18,430 00
Cambridge	18,471 21	7,219 74	1,168 91	26,859 86
Canton	879 12	343 62	55 63	1,278 37
Chelsea	4,882 38	1,908 35	308 97	7,099 70
Cohasset			49 12	49 12
Dedham	1,839 85	719 13	116 43	2,675 41
Dover	365 63	142 91	23 14	531 68
Everett	5,515 59	2,155 85	349 04	8,020 48
Hingham	1,046 69	409 11	66 24	1,522 04
Hull	1,529 75	597 92	96 81	2,224 48
Lynn	12,980 74	5,073 71	821 46	18,875 91
Malden	5,500 55	2,149 97	348 09	7,998 61
Medford	4,604 77	1,799 84	291 40	6,696 01
Melrose	2,546 33	995 27	161 14	3,702 74
Milton	2,563 81	1,092 10	162 21	3,728 15
Nahant	559 29	218 61	35 39	813 29
Needham	1,319 35	515 69	83 49	1,918 53
Newton	10,881 87	4,253 34	688 64	15,823 85
Quincy	6,803 80	2,659 37	430 57	9,893 74
Revere	3,174 86	1,240 94	200 92	4,616 72
Saugus	966 75	377 87	61 18	1,405 80
Somerville	10,266 01	4,012 62	649 66	14,928 29
Stoneham	880 74	344 25	55 74	1,280 73
Swampscott	1,858 14	726 28	117 59	2,702 01
Wakefield	1,704 07	666 06	107 84	2,477 97
Waltham	4,951 48	1,935 36	313 35	7,200 19
Watertown	3,525 72	1,378 08	223 12	5,126 92
Wellesley	2,199 19	859 58	139 17	3,197 94
Weston	691 30	270 29	43 75	1,005 25
Westwood	331 89	129 72	21 00	482 61
Weymouth	1,796 46	702 17	113 69	2,612 32
Winchester	2,783 11	1,087 82	176 12	4,047 05
Winthrop	2,062 72	806 24	130 54	2,999 50
Woburn	1,930 80	754 68	122 19	2,807 67
	\$331,065 98	\$129,401 95	\$21,000 00	\$481,467 93

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington	\$9,292 00	\$34 58	\$646 70	\$1,982 95	\$11,956 23
Belmont	5,730 24	23 13	432 48	1,326 09	7,511 94
Boston	472,725 45	2,236 14	41,816 22	128,219 41	644,997 22
Braintree	4,904 13	16 33	309 09	947 73	6,177 48
Brookline	28,084 46	148 66	2,779 89	8,523 88	39,536 89
Cambridge	56,191 94	216 65	4,051 42	12,422 69	72,882 70
Canton	2,876 54	19 31	192 83	591 25	3,670 93
Chelsea	18,813 21	57 27	1,070 89	3,283 61	23,224 98
Cohasset	—	—	170 25	—	170 25
Dedham	5,559 61	21 58	403 55	1,237 38	7,222 12
Dover	748 23	4 29	80 20	245 90	1,078 62
Everett	18,834 77	64 69	1,209 77	3,709 47	23,818 70
Hingham	3,013 38	12 28	229 58	703 94	3,959 18
Hull	2,612 40	17 94	335 53	1,028 82	3,994 69
Lynn	45,646 30	152 25	2,847 15	8,730 11	57,375 81
Malden	21,321 17	64 52	1,206 47	3,609 36	26,291 52
Medford	17,271 64	54 01	1,009 99	3,096 91	21,432 55
Melrose	8,606 56	29 87	558 50	1,712 52	10,907 45
Milton	6,168 47	30 07	562 34	1,724 27	8,485 15
Nahant	1,142 26	6 56	122 67	376 14	1,647 63
Needham	3,783 90	15 48	289 38	887 32	4,976 08
Newton	27,921 21	127 64	2,386 79	7,318 53	37,754 17
Quincy	22,783 20	79 80	1,492 32	4,575 85	28,931 17
Revere	12,440 69	37 24	696 36	2,135 23	15,309 52
Saugus	4,373 60	11 34	212 04	650 18	5,247 16
Somerville	40,196 90	120 41	2,251 71	6,904 34	49,473 36
Stoneham	3,416 91	10 33	193 18	592 34	4,212 76
Swampscott	4,833 86	21 79	407 56	1,249 68	6,512 89
Wakefield	5,994 86	19 99	373 76	1,146 06	7,534 67
Waltham	15,484 51	58 08	1,086 04	3,330 09	19,958 72
Wartertown	10,870 58	41 35	773 32	2,371 20	14,056 45
Wellesley	4,782 19	25 79	482 36	1,479 05	6,769 39
Weston	1,594 10	8 11	151 63	464 93	2,218 77
Westwood	838 57	3 89	72 80	223 21	1,138 47
Weymouth	6,689 03	21 07	394 03	1,208 20	8,313 23
Winchester	6,779 98	32 64	610 44	1,871 76	9,294 82
Winthrop	7,167 17	21 19	452 43	1,387 27	9,034 06
Woburn	7,299 34	22 65	423 49	1,298 55	9,044 03
	\$916,794 26	\$3,883 12	\$72,785 16	\$222,656 22	\$1,216,118 76

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington	\$149 17	\$347 39	\$496 56
Belmont	99 76	232 31	332 07
Boston	9,645 70	22,462 25	32,107 95
Braintree	71 30	166 03	237 33
Brookline	641 23	1,493 26	2,134 49
Cambridge	934 54	2,176 28	3,110 82
Canton	44 48	103 58	148 06
Chelsea	247 02	575 24	822 26
Dedham	93 09	216 77	309 86
Dover	18 50	43 08	61 58
Everett	279 06	649 85	928 91
Hingham	52 96	123 32	176 28
Hull	77 40	189 24	257 64
Lynn	656 75	1,529 39	2,186 14
Malden	278 30	648 08	926 38
Medford	232 97	542 53	775 50
Melrose	128 83	309 01	428 84
Milton	129 71	302 07	431 78
Nahant	28 30	65 90	94 20
Needham	66 75	155 45	222 20
Newton	550 56	1,282 10	1,832 66
Quincy	344 23	801 62	1,145 85
Revere	160 63	374 06	534 69
Saugus	48 91	113 90	162 81
Somerville	519 40	1,209 54	1,728 94
Stoneham	44 56	193 77	238 33
Swampscott	94 01	218 93	312 94
Wakefield	86 21	200 77	286 98
Waltham	250 51	583 38	833 89
Watertown	178 38	415 40	593 78
Wellesley	111 26	259 11	370 37
Weston	34 98	81 45	116 43
Westwood	16 79	39 10	55 89
Weymouth	90 89	211 66	302 55
Winchester	140 81	327 91	468 72
Winthrop	104 36	243 03	347 39
Woburn	97 69	227 49	325 18
	\$16,750 00	\$39,006 25	\$55,756 25

DIVISION OF METROPOLITAN PLANNING.
(Chapter 399, Acts of 1923.)

CITIES AND TOWNS.	Assessments.
Arlington	\$258 62
Belmont	172 95
Boston	16,722 20
Braintree	123 60
Brookline	1,111 67
Cambridge	1,620 15
Canton	77 11
Chelsea	428 24
Dedham	161 38
Dover	32 07
Everett	483 78
Hingham	91 81
Hull	134 18
Lynn	1,138 57
Malden	482 46
Medford	403 89
Melrose	223 34
Milton	224 88
Nahant	49 06
Needham	115 72
Newton	954 47
Quincy	596 78
Revere	278 47
Saugus	84 80
Somerville	900 45
Stonham	77 25
Swampscott	162 98
Wakefield	149 47
Waltham	434 31
Watertown	309 25
Wellesley	192 90
Weston	60 64
Westwood	29 11
Weymouth	157 57
Winchester	244 11
Winthrop	189 93
Woburn	169 35
	\$29,038 52

NEPONSET BRIDGE.

Special Assessment.

(Chapter 300, General Acts of 1915.)

Bonds issued, 57½ per cent	\$201,250 00	
Previously assessed	92,000 60	
<hr/>		
Outstanding	\$109,250 00	
Serial bonds due Jan. 1, 1925		\$11,500 00
Interest:		
One year on \$109,250 00..	\$4,370 00	
Six months on 11,500 00..	230 00	
<hr/>		
	\$4,600 00	
Less interest on average balance in fund, 57½ per cent	390 97	
<hr/>		
		4,209 03
<hr/>		
		\$15,709 03

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	20	\$4,000 00	\$1,464 01	\$5,464 01
City of Quincy	15	3,000 00	1,098 01	4,098 01
County of Norfolk	5	1,000 00	366 00	1,366 00
County of Plymouth	2½	500 00	183 00	683 00
Bay State Street Railway Company ..	15	3,000 00	1,098 01	4,098 01
	57½	\$11,500 00	\$4,209 03	\$15,709 03

NEPONSET BRIDGE.

Special Assessment.

(Chapter 300, General Acts of 1915 and Chapter 220, General Acts of 1917.)

Bonds issued, 57½ per cent	\$57,500 00	
Previously assessed	2,875 00	
Outstanding	\$54,625 00	
Serial bonds due Jan. 1, 1925		\$2,875 00
Interest:		
One year on	\$54,625 00	\$2,185 00
Six months on	2,875 00	57 50
		\$2,242 50
Less interest on average balance in fund, 57½ per cent		264 64
		1,977 86
		\$4,852 86

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	20	\$1,000 00	\$687 95	\$1,687 95
City of Quincy	15	750 00	515 96	1,265 96
County of Norfolk	5	250 00	171 99	421 99
County of Plymouth	2½	125 00	86 00	211 00
Bay State Street Railway Company ..	15	750 00	515 96	1,265 96
	57½	\$2,875 00	\$1,977 86	\$4,852 86

NEPONSET BRIDGE.

Special Assessment.

(Chapter 238, General Acts of 1919, and Chapter 380, Acts of 1922.)

Bonds issued, 50 per cent	\$225,000 00	
Previously assessed	11,500 00	
Outstanding	\$213,500 00	
Serial bonds due Jan. 1, 1925		\$11,500 00
Interest:		
One year on	\$213,500 00	\$8,540 00
Six months on	11,500 00	230 00
		\$8,770 00
Less interest on average balance in fund, 50 per cent		3,471 37
		5,298 63
		\$16,798 63

Assessment.

	Per Cent	Serial Bonds	Interest	Total
City of Boston.....	23 $\frac{9}{17}$	\$5,411.77	\$2,493.47	\$7,905.24
City of Quincy	17 $\frac{11}{17}$	4,058.82	1,870.11	5,928.93
County of Norfolk	5 $\frac{15}{17}$	1,352.94	623.37	1,976.31
County of Plymouth.....	2 $\frac{16}{17}$	676.47	311.68	988.15
	50	\$11,500.00	\$5,298.63	\$16,798.63

NEWTON-WESTON BRIDGE.

Special Assessment.

(Chapter 368, Special Acts of 1915.)

Bonds issued, 50 per cent	\$25,000 00		
Previously assessed	22,500 00		
Outstanding	\$2,500 00		
Serial bonds due Jan. 1, 1925			\$2,500 00
Interest:			
One year on	\$2,500 00	\$100 00	
Six months on	2,500 00	50 00	
			150 00
			\$2,650 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton	25	\$1,250 00	\$75 00	\$1,325 00
Town of Weston	10	500 00	30 00	530 00
County of Middlesex	15	750 00	45 00	795 00
	50	\$2,500 00	\$150 00	\$2,650 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

(Chapter 276, General Acts of 1915.)

Bonds issued, 57 $\frac{1}{2}$ per cent	\$66,125 00		
Previously assessed	59,512 50		
Outstanding	\$6,612 50		
Serial Bonds due Jan. 1, 1925			\$6,612 50
Interest:			
One year on	\$6,612 50	\$264 50	
Six months on	6,612 50	132 25	
			396 75
			\$7,009 25

Assessment.

(Chapter 276, General Acts of 1915.)

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden	13	\$1,495 00	\$89 70	\$1,584 70
Medford	16	1,840 00	110 40	1,950 40
Somerville	11	1,265 00	75 90	1,340 90
Stoneham	2 ½	287 50	17 25	304 75
Boston Elevated Railway Company ..	15	1,725 00	103 50	1,828 50
	57 ½	\$6,612 50	\$396 75	\$7,009 25

Maintenance.

(Chapter 295, General Acts of 1916.)

	Per Cent.	Amount.
Malden	15.2941	\$2,375 56
Medford	18.8235	2,923 76
Somerville	12.9412	2,010 10
Stoneham	2.9412	456 84
	50.0000	\$7,766 26

ALEWIFE BROOK.

(Chapter 529 of the Acts of 1906, as amended by chapter 529 of the Acts of 1907 and chapter 458 of the Acts of 1911.)¹

CITIES AND TOWNS.	Assessment	Interest.	Total.	Proportion of Total (Per Cent.).
Arlington	\$1,636 79	\$415 37	\$2,052 16	24
Belmont	1,159 39	294 22	1,453 61	17
Cambridge	3,205 37	813 45	4,018 82	47
Somerville	818 39	207 69	1,026 08	12
	\$6,819 94	\$1,730 73	\$8,550 67	100

¹ This table includes the fourteenth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the Eleventh assessment and interest under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1924:

Bonds outstanding (sinking fund) \$6,563,000 00

Bonds outstanding (serial) 823,000 00

\$7,386,000 00

an increase for the year of \$120,500 00.

Sinking fund April 1, 1924 4,204,922 94

an increase for the year of \$322,786 35.

Net sewerage, north system, debt, April 1, 1924 \$3,181,077 06

a decrease for the year of \$202,286 35.

Assessment, North System.

Sinking fund		\$172,583 71
Serial bonds		27,000 00
Interest:		
One year on \$7,351,000 00	\$233,975 00	
Four months on 14,000 00	186 67	
Interest on advances and temporary loans, estimated, 1924	10,000 00	
		\$244,161 67
Adjustment of interest charges in 1923.....	3,607 92	
		240 553 75
Maintenance as appropriated by Legislature....	\$335,200 00	
Less balance on hand	18,476 17	
		316,723 83
Total north metropolitan sewerage assessment		\$756,861 29

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued	\$62,000 00	
Previously assessed	28,000 00	
		\$34,000 00
Outstanding		
Assessment for 1924 is made up, as follows:		
Serial bonds due Jan. 1, 1925		\$2,000 00
Interest:		
One year on \$34,000 00.....	\$1,190 00	
Four months on 2,000 00.....	23 34	
		1,213 34
		\$3,213 34

Everett and Malden, one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued	\$5,500 00	
Previously assessed	4,500 00	
		\$1,000 00
Outstanding		
Assessment for 1924 is made up, as follows:		
Serial bond due Jan. 1, 1925		\$500 00
Interest:		
One year on \$1,000 00.....	\$40 00	
Four months on 500 00.....	6 67	
		46 67
		\$546 67

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1924:

Bonds outstanding (sinking fund)	\$8,877,912 00	
Bonds outstanding (serial)	946,000 00	
		\$9,823,912 00
an increase for the year of \$48,000 00.		
Sinking fund April 1, 1924		2,648,822 03
an increase for the year of \$238,858 94.		
Net Sewerage, south system, debt, April 1, 1924		\$7,175,089 97
a decrease for the year of \$190,858 94.		

Assessments, South System.

Sinking fund		\$154,398 88
Serial bonds		32,000 00
Interest:		
One year on \$9,823,912 00	\$340,272 36	
Interest on advances and temporary loans, estimated, 1924	10,000 00	
		\$350,272 36
Adjustment of interest charges in 1923	649 83	
		349,622 53
Maintenance as appropriated by legislature....	\$224,420 00	
Less balance on hand	7,235 58	
		217,184 42
Total south metropolitan sewerage assessment		\$753,205 83

METROPOLITAN SEWERAGE LOAN.*North System — Assessment.*

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington	\$6,161 24	\$963 90	\$8,587 77	\$9,470 04	\$25,182 95
Belmont	4,124 75	645 30	5,749 23	5,447 65	15,966 93
Boston	23,574 94	3,688 20	32,859 64	49,440 59	109,563 37
Cambridge	38,641 49	6,045 30	53,859 98	55,711 72	154,258 49
Chelsea	10,216 96	1,598 40	14,240 78	21,917 29	47,973 43
Everett	11,528 59	1,803 60	16,068 99	20,365 34	49,766 52
Lexington	1,812 13	283 50	2,525 81	2,470 45	7,091 89
Malden	11,511 33	1,800 90	16,044 94	24,926 17	54,283 34
Medford	9,630 17	1,506 60	13,422 90	19,826 91	44,386 58
Melrose	5,332 84	834 30	7,433 11	9,248 34	22,848 59
Reading	2,364 40	369 90	3,295 59	3,769 01	9,798 90
Revere	6,644 47	1,039 50	9,261 32	14,632 64	31,577 93
Somerville	21,469 41	3,358 80	29,924 89	47,286 87	102,039 97
Stoneham	1,846 65	288 90	2,573 93	3,990 72	8,700 20
Wakefield	3,555 22	556 20	4,955 41	6,619 53	15,086 36
Winchester	5,816 07	909 90	8,106 66	5,320 96	20,153 59
Winthrop	4,314 59	675 00	6,013 84	7,854 75	18,858 18
Woburn	4,038 46	631 80	5,628 96	8,424 85	18,724 07
	\$172,583 71	\$27,000 00	\$240,553 75	\$316,723 83	\$756,861 29 ¹

¹ Exclusive of \$3,760.01 special assessments on Everett, Malden and Revere which are included on page 4.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

Bonds Issued and Amounts Already Provided for.	Due Dates.	Sinking Fund Dec. 1, 1923.	Amount of Dec. 1, 1923 Sinking Fund at Maturity of Loan, Accumulations Reckoned at 3 ³ / ₄ Per Cent.	Balance.	Portion of Balance to be Provided for this Year.	Sinking Fund Requirements for 1924.
\$5,330,000 (4,130,750)	Jan., 1930 Sunk	\$3,726,388.67	\$4,656,928.92	\$4,803,821.08	\$180,143.29	\$149,603.54
265,000 (205,375)	Jan., 1930 Sunk	173,907.13	217,334.59	253,040.41	9,489.02	7,880.34
200,000 (144,499)	Jan., 1930 Sunk	134,095.51	167,581.35	176,917.65	8,182.44	6,795.27
250,000 (81,250)	July, 1943 Sunk	44,699.87	92,245.14	239,004.86	7,966.83	4,006.67
50,000 (16,250)	Jan., 1943 Sunk	9,076.04	13,385.10	47,864.90	1,595.50	817.45
55,000 (17,875)	July, 1943 Sunk	12,102.81	24,976.03	47,898.97	1,596.63	802.98
300,000 (62,500)	Jan., 1949 Sunk	31,845.48	80,617.42	281,882.58	4,698.04	1,926.06
113,000 (23,542)	Jan., 1949 Sunk	10,497.32	26,574.16	109,967.84	1,832.89	751.40
\$6,563,000 (4,682,041)	Sunk	\$4,142,612.83	\$5,284,642.71	\$5,960,398.29	\$215,504.55	\$172,583.71

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.
Amounts provided for and to be provided for.

Bonds Issued.	Due Dates.	Amount Provided For.	Amount to be Provided For.	1924
\$5,330,000.....	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{12}{80}$	$\frac{18}{80}$	$\frac{3}{80}$
265,000.....	1930	$\frac{70}{240} + \frac{1}{3} + \frac{12}{80}$	$\frac{18}{80}$	$\frac{3}{80}$
200,000.....	1930	$\frac{49}{240} + \frac{1}{3} + \frac{444}{2400}$	$\frac{666}{2400}$	$\frac{111}{2400}$
300,000.....	1943	$\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$	$\frac{9}{30} + \frac{3}{8}$	$\frac{1}{30}$
55,000.....	1943	$\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$	$\frac{9}{30} + \frac{3}{8}$	$\frac{1}{30}$
300,000.....	1949	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
113,000.....	1949	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 381.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Arlington	\$27,569,359	3.57	18,665	2.99
Belmont	18,436,869	2.39	10,749	1.72
Boston:				
Charlestown	105,368,566	13.66	97,323	15.61
East Boston	172,714,877	22.39	109,694	17.59
Cambridge	45,652,664	5.92	43,484	6.92
Chelsea	51,573,442	6.68	40,120	6.13
Everett	8,068,069 ¹	1.05	4,850 ²	0.78
Lexington	51,432,808	6.67	49,103	7.87
Malden	43,056,837	5.58	39,038	6.26
Medford	23,809,304	3.09	18,204	2.92
Melrose	10,554,722	1.37	7,439	1.19
Revere	29,686,534	3.85	28,823	4.62
Somerville	95,992,213	12.44	93,091	14.93
Stonham	8,235,375	1.07	7,873	1.26
Wakelield	15,933,872	2.06	13,025	2.09
Winchester	26,923,475	3.37	10,485	1.68
Winthrop	19,287,425	2.50	15,155	2.48
Woburn	18,053,904	2.34	16,574	2.66
	\$774,450,396	100.00	623,695	100.00

¹ 73.424 per cent of the town valuation, derived from figures certified by the board of assessors.

² After deducting 1,500, population of outer area.

METROPOLITAN SEWERAGE LOAN.

South System — Assessments.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance	Total.
Boston	\$70,081 65	\$14,524 80	\$158,693 67	\$121,536 39	\$364,836 51
Brookline	23,561 27	4,883 20	53,352 40	17,179 29	98,976 16
Dedham	3,273 26	678 40	7,412 00	4,778 06	16,141 72
Milton	4,770 93	988 80	10,803 34	4,278 53	20,841 60
Newton	20,226 25	4,192 00	45,800 55	20,958 30	91,177 10
Quincy	12,645 27	2,620 80	28,634 08	21,783 60	65,683 75
Waltham	9,202 17	1,907 20	20,837 50	14,073 55	46,020 42
Watertown	6,546 51	1,356 80	14,823 99	9,773 30	32,500 60
Wellesley	4,091 57	848 00	9,265 00	2,823 40	17,027 97
	\$154,398 88	\$32,000 00	\$349,622 53	\$217,184 42	\$753,205 83

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

Bonds Issued and Amounts Already Provided for.	Due Dates	Sinking Fund Dec. 1, 1923.	Amount Dec. 1, 1923 Sinking Fund at Maturity of Loan, Accumulations Reckoned at 3 3/4 Per Cent.	Balance.	Portion of Balance to be Provided for this Year.	Sinking Fund Requirements for 1924.
\$800,000 (620,000)	Jan., 1930	\$560,559.89	\$700,540.87	\$719,459.13	\$26,979.72	\$22,405.84
839,000 (496,408)	Sunk Mar., 1935	371,609.50	559,209.42	776,198.58	25,873.29	17,844.29
65,000 (36,292)	Sunk Mar., 1936	26,150.87	40,842.19	60,449.81	2,014.99	1,339.01
1,024,912 (469,751)	Sunk July, 1939	299,890.89	533,408.02	961,254.98	32,041.83	18,696.33
3,586,000 (1,524,050)	Sunk July, 1940	931,576.80	1,719,690.04	3,390,359.96	113,012.00	63,537.23
996,000 (323,700)	Sunk Jan., 1943	181,156.82	366,964.72	952,735.28	31,757.84	16,271.09
392,000 (114,333)	Sunk July, 1944	60,107.17	128,735.63	377,597.37	12,586.58	6,099.17
175,000 (45,208)	Sunk Jan., 1946	30,574.96	69,237.48	150,970.52	2,516.18	1,153.19
1,000,000 (258,333)	Sunk Jan., 1946	147,943.90	335,021.29	923,311.71	15,388.53	7,052.73
\$8,877,912 (3,888,075)	Sunk	\$2,609,570.80	\$4,453,649.66	\$8,312,337.34	\$262,170.96	\$154,398.88

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.
Amounts provided for and to be provided for.

Bonds Issued.	Due Dates	Amount Provided For.	Amount to be Provided For.	1924.
\$800,000.....	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{12}{80}$	$\frac{18}{80}$	$\frac{3}{80}$
839,000.....	1935	$\frac{1}{8} + \frac{1}{6} + \frac{9}{30}$	$\frac{1}{30} + \frac{3}{8}$	$\frac{1}{30}$
65,000.....	1936	$\frac{1}{8} + \frac{1}{6} + \frac{8}{30}$	$\frac{2}{30} + \frac{3}{8}$	$\frac{1}{30}$
1,024,912.....	1939	$\frac{1}{8} + \frac{1}{6} + \frac{5}{30}$	$\frac{5}{30} + \frac{3}{8}$	$\frac{1}{30}$
3,586,000.....	1940	$\frac{1}{8} + \frac{1}{6} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{8}$	$\frac{1}{30}$
996,000.....	1943	$\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$	$\frac{9}{30} + \frac{3}{8}$	$\frac{1}{30}$
392,000.....	1944	$\frac{1}{8} + \frac{1}{6}$	$\frac{10}{30} + \frac{3}{8}$	$\frac{1}{30}$
175,000.....	1946	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
1,000,000.....	1946	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 381.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent.)	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent.)
Boston	\$352,462,580	45.39	267,093	55.96
Brighton	\$71,929,090		42,102	
Back Bay	75,505,020		25,811	
Roxbury	51,548,680		53,515	
West Roxbury	48,985,420		42,534	
Dorchester	81,723,260		81,922	
Hyde Park	22,771,110		18,209	
Brookline	118,508,990	15.26	37,748	7.91
Dedham	16,456,200 ¹	2.12	10,497 ²	2.20
Milton	23,972,902	3.09	9,382	1.97
Newton	101,750,836	13.10.	46,051	9.65
Quincy	63,618,861	8.19	47,876	10.03
Waltham	46,298,771	5.96	30,915	6.48
Watertown	32,967,258	4.24	21,457	4.50
Wellesley	20,563,474	2.65	6,224	1.30
	\$776,599,872	100.00	477,246	100.00

¹ 95.656 per cent of the town valuation, derived from figures certified by the chairman of the board of assessors.

² After deducting 295, population of outer area

METROPOLITAN PARKS AND SEWERAGE LOANS.
Comparison of Assessments, 1923 and 1924.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1923.	1924.	1923.	1924.
Arlington	\$19,248 38	\$19,589 09	\$25,829 70	\$25,182 95
Belmont	12,547 10	12,697 61	16,281 96	15,966 93
Boston	1,010,501 62	1,020,906 53	456,954 64	474,399 88
Braintree	8,582 63	8,844 74	—	—
Brookline	63,655 49	63,525 90	94,140 46	98,976 16
Cambridge	109,795 44	111,863 10	157,828 01	154,258 49
Canton	5,199 75	5,334 90	—	—
Chelsea	31,275 30	32,466 15	49,867 26	47,973 43
Cohasset	206 55	226 22	—	—
Dedham	10,493 19	10,704 52	15,222 68	16,141 72
Dover	1,784 01	1,770 68	—	—
Everett	33,288 42	34,258 39	52,968 05	51,373 19
Hingham	5,843 29	5,940 32	—	—
Hull	7,026 45	6,890 15	—	—
Lexington	—	—	7,240 49	7,091 89
Lynn	79,457 72	81,945 23	—	—
Malden	39,184 57	40,663 01	58,089 45	55,890 01
Medford	33,828 23	35,022 42	46,061 71	44,386 58
Melrose	15,293 01	15,727 04	23,547 37	22,848 59
Milton	13,288 41	13,337 82	19,779 72	20,841 60
Nahant	2,727 01	2,706 25	—	—
Needham	7,353 25	7,473 29	—	—
Newton	59,246 15	59,675 95	86,383 80	91,177 10
Quincy	48,561 38	53,102 04	61,789 61	65,683 75
Reading	—	—	10,064 92	9,798 90
Revere	20,512 27	21,318 77	33,426 33	32,124 60
Saugus	6,740 52	7,076 98	—	—
Somerville	70,607 82	73,281 53	106,182 28	102,039 97
Stonesham	6,400 43	6,641 38	9,046 36	8,700 20
Swampscott	9,937 73	10,029 91	—	—
Wakefield	10,433 13	10,760 06	16,212 23	15,686 36
Waltham	28,680 92	29,330 69	43,370 47	46,020 42
Watertown	20,291 23	20,729 80	30,640 09	32,500 60
Wellesley	10,968 53	10,951 92	16,204 74	17,027 97
Weston	4,074 62	4,057 24	—	—
Westwood	1,754 04	1,766 65	—	—
Weymouth	11,311 37	11,713 50	—	—
Winchester	14,495 92	14,562 58	20,285 77	20,153 59
Winthrop	12,553 40	12,935 29	19,472 76	18,858 18
Woburn	12,249 45	12,698 57	19,441 11	18,724 07
	\$1,859,398 73	\$1,892,506 22	\$1,406,331 97	\$1,513,827 13

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1924:

Bonds outstanding (sinking fund) \$4,125,000 00

Bonds outstanding (serial) 253,000 00

\$4,378,000 00

a decrease for the year of \$10,000 00.

Sinking fund, April 1, 1924 1,484,097 16

an increase for the year of \$92,056 71.

Net Charles River Basin debt, April 1, 1924 \$2,893,902 84

a decrease for the year of \$102,056 71.

Total Charles River Basin Assessment for 1924 — District.

Serial bonds			\$10,000 00
Interest:			
One year on	\$4,125,000 00	\$142,250 00	
Six months on	263,000 00	4,750 00	
Six months on	253,000 00	4,570 00	
Interest on advances and temporary loans, estimated, 1924		5,000 00	
Adjustment of interest charges in 1923		541 09	
			\$157,111 09
Less interest on bridge			41,381 82
			115,729 27
Maintenance as appropriated by Legislature....		\$189,450 00	
Less balance on hand		4,693 67	
			184,756 33
Total Charles River Basin district assessment			\$310,485 60

Charles River Bridge.

Sinking Fund	\$10,120 42
Interest	41,381 82
	\$51,502 24

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.
District.

BONDS ISSUED.	Due Dates.	Sinking Fund. Dec. 1, 1923.	Amount of Dec. 1, 1923 Sinking Fund at Maturity of loan, Accumulations reckoned at 3¾ Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1924.
\$177,272 73	Jan., 1944	\$224,950 55	\$472,924 62	—	—
283,636 36	Jan., 1945	385,863 18	841,925 08	—	—
425,551 55	Jan., 1946	373,693 18	846,234 10	—	—
815,451 55	Jan., 1947	481,890 92	1,132,555 09	—	—
283,636 36	Jan., 1948	118,025 86	287,887 63	—	—
692,727 28	Jan., 1949	148,559 07	376,080 01	—	—
336,818 17	Jan., 1950	19,129 88	50,260 70	—	—
\$2,925,000 00		\$1,752,112 64	\$4,007,867 23	—	—

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$30,080 83	\$63,240 49	\$9,186 78	\$325 75
116,363 64	Jan., 1945	48,376 59	105,551 16	10,809 48	346 18
171,545 45	Jan., 1946	59,624 79	135,021 28	39,524 17	1,183 10
334,545 45	Jan., 1947	97,964 32	230,231 75	101,313 70	2,924 27
116,363 64	Jan., 1948	30,160 75	73,567 83	42,795 84	1,125 55
247,272 72	Jan., 1949	55,953 31	141,616 83	105,625 89	2,610 55
138,181 83	Jan., 1950	26,329 96	69,177 76	69,004 07	1,605 02
\$1,200,000 00		\$348,487 55	\$818,440 10	\$381,559 90	\$10,120 42

¹ Includes \$638,194.93, balance of cost of embankment which is due from city of Boston.

ANALYSIS OF CHARLES RIVER BASIN DEBT, JULY 1, 1924.

DEBT.	Total.	Cambridge Charles River Bridge.	Boston Charles River Bridge.	Boston Embank- ment.	District.
Gross Debt	\$4,378,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,330,363 57
Sinking Fund	1,492,874 58	177,910 66	177,910 65	209,141 50	927,911 77
	\$2,885,125 42	\$422,089 34	\$422,089 35	\$638,494 93	\$1,492,451 80

CHARLES RIVER BASIN LOAN — ASSESSMENT.
(For table of percentages, see page 12.)

CITIES AND TOWNS.	Interest.	Maintenance.	Serial Bonds.	Total.
Arlington	\$1,030 67	\$1,645 41	\$89 06	\$2,765 14
Belmont	689 26	1,100 37	59 56	1,849 19
Boston	66,644 17	106,394 28	5,758 63	178,797 08
Braintree	492 60	786 41	42 57	1,321 58
Brookline	4,430 43	7,072 97	382 83	11,886 23
Cambridge	6,456 90	10,308 14	557 93	17,322 97
Canton	307 31	490 61	26 55	824 47
Chelsea	1,706 71	2,724 69	147 47	4,578 87
Dedham	643 15	1,026 76	55 57	1,725 48
Dover	127 81	204 04	11 04	342 89
Everett	1,928 06	3,078 06	166 60	5,172 72
Hingham	365 89	584 12	31 62	981 63
Hull	534 75	853 71	46 21	1,434 67
Lynn	4,537 62	7,244 09	392 09	12,173 80
Malden	1,922 80	3,069 66	166 15	5,158 61
Medford	1,609 67	2,569 76	139 09	4,318 52
Melrose	890 11	1,421 01	76 91	2,388 03
Milton	896 22	1,430 77	77 44	2,404 43
Nahant	195 51	312 12	16 89	524 52
Needham	461 20	736 28	39 85	1,237 33
Newton	3,803 93	6,072 79	328 69	10,205 41
Quincy	2,378 37	3,796 96	205 51	6,380 84
Revere	1,109 82	1,771 78	95 90	2,977 50
Saugus	337 94	539 51	29 20	906 65
Somerville	3,588 64	5,729 10	310 09	9,627 83
Stoneham	307 88	491 51	26 60	825 99
Swampscott	649 54	1,036 97	56 13	1,742 64
Wakefield	595 68	950 98	51 47	1,598 13
Waltham	1,730 87	2,763 25	149 56	4,643 68
Watertown	1,232 47	1,967 58	106 50	3,306 55
Wellesley	768 76	1,227 29	66 43	2,062 48
Weston	241 65	385 79	20 88	648 32
Westwood	116 02	185 22	10 02	311 26
Weymouth	627 98	1,002 54	54 26	1,684 78
Winchester	972 88	1,553 16	84 07	2,610 11
Winthrop	721 06	1,151 13	62 31	1,934 50
Woburn	674 94	1,077 51	58 32	1,810 77
	\$115,729 27	\$184,756 33	\$10,000 00	\$310,485 60 ¹

¹ Exclusive of \$51,502.24, special assessment on Boston and Cambridge, and \$25,539.80 embankment interest on Boston, which are included on page 4.

STATEMENT OF THE DEBTS OF THE METROPOLITAN DISTRICT, JULY 1, 1924 (SECTION 11, CHAPTER 10, GENERAL LAWS.)

	Metropolitan Parks.	Metropolitan Parks, Nantasket.	Metropolitan Parks, Boulevards	Metropolitan Sewerage, North System.	Metropolitan Sewerage, South System.	Metropolitan Water.	Charles River Basin.	
Bonds outstanding (Sinking Fund)	\$8,785,000.00	\$700,000.00	\$2,567,500.00	\$6,563,000.00	\$8,877,912.00	\$41,398,000.00	\$1,125,000.00	Total.
Bonds outstanding (Serial)	123,000.00	—	1,033,743.75	823,000.00	946,000.00	2,723,000.00	253,000.00	
Gross Debt	\$8,908,000.00	\$700,000.00	\$3,601,243.75	\$7,386,000.00	\$9,823,912.00	\$44,121,000.00	\$1,378,000.00	
Sinking funds, July 1, 1924	4,637,783.52	350,367.20	1,267,574.84	4,229,867.41	2,064,488.00	20,767,825.81	1,492,874.58	
Net Debt	\$4,270,216.48	\$349,632.80	\$2,333,668.91	\$3,156,132.59	\$7,759,424.00	\$23,353,174.19	\$2,885,125.42	
	For Percentages	For Percentages	For Percentages	For Percentages	For Percentages	For Percentages	For Percentages	
1 Arlington	See Page 12	See Page 14	See Page 12	See Page 26	See Page 28	See Page 7	See Page 12	\$550,408.21
2 Belmont	\$38,007.85	\$3,106.51	\$17,541.78	\$111,424.43	\$267,837.55	\$12,490.00	\$294,406.80	26,257,209.92
3 Boston	25,417.55	2,077.46	11,730.97	74,595.07	172,923.07	8,352.68	26,257,209.92	1,398,355.63
4 Cambridge	2,437,618.73	200,869.54	1,291,736.68	426,346.71	1,092,538.10	1,868,703.98	1,566,623.65	53,689.62
5 Brookline	15,165.46	1,484.73	8,383.91	426,346.71	1,092,538.10	53,689.62	500,436.54	3,724.12
6 Chelsea	163,379.65	13,353.57	75,404.69	608,821.59	151,779.79	20,052.60	817.82	7,793.63
7 Canton	238,109.32	19,461.48	109,894.72	184,771.05	151,779.79	1,548.85	8,822.58	1,054,061.38
8 Cohasset	11,332.64	926.26	5,230.36	225,491.66	695,480.88	4,433.91	25,256.08	36,912.99
9 Duxbury	62,437.98	5,144.13	29,047.80	32,771.89	96,705.49	6,480.27	129,477.38	313,226.80
10 Dedham	23,717.22	1,998.40	10,946.22	225,179.54	476,568.23	54,988.62	880,761.83	763,681.08
11 Dover	4,713.21	383.23	2,175.29	96,443.00	221,236.20	2,589.23	51,861.92	400,408.88
12 Everett	71,100.52	5,811.29	32,813.06	42,759.52	586,356.83	67,911.03	1,269,626.55	1,062,387.31
13 Hingham	13,492.06	1,022.80	6,227.28	42,759.52	586,356.83	793,751.04	28,822.05	42,759.52
14 Hull	19,719.71	1,611.76	9,101.25	121,163.61	396,536.90	13,440.26	594,310.37	23,327.77
15 Lexington	167,332.54	13,676.66	77,229.07	398,268.89	1,303,270.59	4,095.31	1,960,329.63	1,960,329.63
16 Lynn	70,906.64	5,795.44	34,220.58	33,396.12	140,702.87	3,739.98	185,540.16	105,411.72
17 Malden	59,359.30	4,851.64	29,236.13	64,295.33	426,701.67	7,218.72	20,975.31	516,181.54
18 Medford	32,824.26	2,682.84	15,149.40	105,392.88	303,559.58	11,935.57	720,271.22	242,701.40
19 Melrose	33,049.68	2,701.26	15,253.44	189,724.74	331,638.43	9,316.13	2,928.45	17,181.08
20 Milton	7,209.67	589.27	3,327.48	105,182.17	186,942.16	1,405.65	43,348.77	43,348.77
21 Nahant	17,007.55	1,390.08	7,849.50	78,028.31	73,034.50	11,789.74	172,339.05	38
22 Needham	141,326.41	11,465.27	64,741.84	73,034.50	186,942.16	8,738.02	314,741.12	39
23 Newton	87,706.65	7,168.56	158,582.18	11,487.31	—	8,179.19	119,624.90	40
24 Quincy	40,926.64	3,345.07	18,888.89	\$2,250,142.42	\$3,156,132.59	\$7,159,424.00	\$2,885,125.42	\$43,423,097.90
25 Reading	12,462.30	1,013.58	5,731.68	\$3,156,132.59	\$7,159,424.00	\$2,885,125.42	\$43,423,097.90	
26 Revere	132,337.42	10,813.39	62,332.78	398,268.89	1,303,270.59	4,095.31	1,960,329.63	1,960,329.63
27 Salem	11,353.51	927.36	5,327.49	33,396.12	140,702.87	3,739.98	185,540.16	105,411.72
28 Somerville	23,553.65	1,957.76	11,055.06	64,295.33	426,701.67	7,218.72	20,975.31	516,181.54
29 Stoneham	21,966.86	1,795.43	10,138.38	105,182.17	186,942.16	8,738.02	314,741.12	39
30 Waverholt	63,628.72	5,216.94	29,458.90	73,034.50	—	—	—	—
31 Waltham	45,419.54	3,714.75	20,976.35	189,724.74	331,638.43	9,316.13	2,928.45	17,181.08
32 Watertown	28,349.35	2,317.09	13,081.69	105,182.17	186,942.16	8,738.02	314,741.12	39
33 Wellsley	9,411.39	728.36	4,112.88	73,034.50	—	—	—	—
34 Weston	4,278.35	349.68	1,974.59	105,182.17	186,942.16	8,738.02	314,741.12	39
35 Westwood	23,157.85	1,892.77	10,688.05	73,034.50	—	—	—	—
36 Weymouth	35,876.65	2,932.32	16,558.17	105,182.17	186,942.16	8,738.02	314,741.12	39
37 Winchester	26,590.16	2,173.30	12,272.72	73,034.50	—	—	—	—
38 Wintthrop	24,889.59	2,034.31	11,487.31	73,034.50	—	—	—	—
39 Woburn								
40								

INDEX

	PAGE
A.	
Alewife Brook	23
B.	
Boston and Cambridge, Charles River Bridge Boulevards. See "Metropolitan Parks Loan."	30
C.	
Charles River Basin Debt, Analysis of	31
Charles River Basin Loan:—	
Assessment, how made up	30
Debt, Gross and Net	29
Division of Assessment into Interest, Maintenance and Serial Bonds Requirements	31
Proportion in Percentages	12
Sinking Fund, Charles River Bridge	30
Sinking Fund, District	30
Charles River Bridge, Boston and Cambridge	30
Counties, Assessments on	6
D.	
Debts of the Metropolitan District for 1924	32
E.	
Everett and Malden, Special Assessment	24
M.	
Malden and Everett, Special Assessment	24
Metropolitan Districts, Statement of the Debts of, for 1924	32
Metropolitan Districts, Total Assessments for	4
Metropolitan Parks Loan:—	
Assessment, how made up	9, 10
Debt, Gross and Net	9
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements	11
Interest Requirements, Boulevards	17
Interest Requirements, Nantasket	17
Interest Requirements, Parks	17
Maintenance Requirements, Boulevards	18
Maintenance Requirements, Nantasket	18
Maintenance Requirements, Parks	18
Maintenance Requirements, Wellington Bridge	18
Neponset Bridge, Special Assessment	20, 21, 22
Newton-Weston Bridge, Special Assessment	22
Planning Division	20
Proportion in Percentages to be paid annually	12, 13, 14
Serial Bonds Requirements, Boulevards	19
Serial Bonds Requirements, Parks	19
Sinking Fund (Boulevards), Series 2	15
Sinking Fund, Nantasket	15
Sinking Fund, Parks	15
Sinking Fund Requirements, Boulevards	16
Sinking Fund Requirements, Nantasket	16
Sinking Fund Requirements, Parks	16
Wellington Bridge, Special Assessment	22, 23
Metropolitan Parks and Sewerage Loans, Comparison of 1923 and 1924 Assessments	29
Metropolitan Planning Division	20

Metropolitan Sewerage Loan, North System:—	
Amounts provided for and to be provided for	26
Assessments, how made up	24
Debt, Gross and Net	23
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	25
Everett and Malden, Special Assessment	24
Proportion in Percentages to be paid annually	26
Revere, Special Assessment	24
Sinking Fund	25
Metropolitan Sewerage Loan, South System:—	
Amounts provided for and to be provided for	28
Assessment, how made up	25
Debt, Gross and Net	24
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	27
Proportion in Percentages to be paid annually	28
Sinking Fund	27
Metropolitan Water Loan:—	
Assessment, how made up	6
Comparison of Total 1923 and 1924 Assessments	8
Computations for Determining Assessment	7
Debt, Gross and Net	6
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements	8
Sinking Fund	7
N.	
Nantasket. See "Metropolitan Parks Loan."	
Neponset Bridge	20, 21, 22
Newton-Weston Bridge	22
Net Water Debt of Cities in Original Metropolitan Water District	9
P.	
Parks Loan. See "Metropolitan Parks Loan."	
R.	
Revenue from Water received by Cities and Towns, 1923	8
Revere, Special Assessment	24
S.	
Sewerage Loan. See "Metropolitan Sewerage Loan, North System"; "Metropolitan Sewerage Loan, South System."	
Special Metropolitan District Assessments	5
Street Railways, Assessments on	6
T.	
Total Assessments for Metropolitan Districts	4
W.	
Water Debt, Net, of Cities in Original Metropolitan Water District	9
Water Loan. See "Metropolitan Water Loan."	
Water Revenue received by Cities and Towns in 1923	8
Wellington Bridge:—	
Interest, Special Assessment	23
Maintenance, District Assessment	18
Maintenance, Special Assessment	23
Serial Bonds, Special Assessment	23

PUBLICATION OF



The Commonwealth of Massachusetts

1925

ASSESSMENTS

FOR

Interest, Sinking Funds, Serial Bonds
and Maintenance

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL



PUBLICATION OF THIS DOCUMENT APPROVED BY THE COMMISSION ON ADMINISTRATION AND FINANCE

THE COMMONWEALTH OF MASSACHUSETTS

TREASURY DEPARTMENT, Sept. 1, 1925.

Under the provisions of section 11 of chapter 10 of the General Laws the following computations for annual assessments for interest, sinking funds, serial bond payments and maintenance for 1925, to be paid by the cities and towns comprising the metropolitan districts, are compiled and printed as a public document and herewith submitted.

There was issued during the year 1925 on account of the metropolitan district, bonds to the amount of \$2,923,000. bearing interest at the rate of 4 per cent. and divided as follows:—

Metropolitan Parks, Series Two, Loan.

- \$1,000,000. Chapter 365, Acts of 1923, providing for the completion by the Metropolitan District Commission of the Old Colony boulevard, so-called. Fifty per cent of the annual serial bonds and interest requirements shall be assessed upon and paid by the cities and towns of the metropolitan parks district and fifty per cent by the Commonwealth.
- \$135,000. Chapter 366, Acts of 1923, authorizing the Metropolitan District Commission to construct Furnace Brook parkway from Newport avenue to Hancock street in the City of Quincy. Fifty per cent of the annual serial bonds and interest requirements shall be assessed upon and paid by the cities and towns of the metropolitan parks district, and fifty per cent by the Commonwealth.

Metropolitan Sewerage Loan, North System.

- \$650,000. Chapter 116, Acts of 1924, providing for the construction of additional sewers in the north metropolitan sewerage district. The annual serial bonds and interest requirements shall be assessed upon and paid by the cities and towns of the north metropolitan sewerage district.

Metropolitan Water Loan.

- \$1,138,000. Chapters 166 and 167 of the Acts of 1919, Chapter 530 of the Acts of 1920, and Chapter 250 of the Acts of 1923, providing for certain additions and improvements in the metropolitan water system. The annual serial bonds and interest requirements shall be assessed upon and paid by the cities and towns of the metropolitan water district.

The town of Brookline has this year joined the metropolitan water district. The agreement between the Metropolitan District Commission and the town of Brookline relative to the admission of said town to said district provides, in part, that:—

“THIRD, That said town shall furnish, filter, pump and deliver water of proper quality from its own works as a part of its own water supply in such quantity, but not exceeding five million (5,000,000) gallons a day, as may be required by the town for a term of five (5) years, and as much longer as said water is in the opinion of the Commission of proper quality for use.”

“FOURTH, that said town shall be allowed and credited in its annual apportionment for every million gallons of water by it furnished as above set forth, a sum equal to the average cost per million gallons to the Metropolitan Water District of water furnished from the Metropolitan Water System during the year preceding that in which the assessment is made.”

On the basis of the 1924 statistics this credit is for 1,452,778,000 gallons of water at \$56.13 per million gallons, amounting to 81,544.43.

In order to provide for this credit of \$81,544.43 to the town of Brookline it was necessary to assess this amount against the various cities and towns of the metropolitan water district, excepting Brookline. The proportions and assessments for this purpose will be found on page 9 of this report.

The following sections of chapter 92 of the General Laws show the manner of computing the proportions in which the cities and towns of the several metropolitan districts shall annually pay money into the treasury of the Commonwealth to meet the assessments against said districts:—

Metropolitan Sewer.

SECTION 5. The proportions in which each of the towns belonging in whole or in part to the north metropolitan and south metropolitan sewerage districts, respectively, shall annually pay money to the commonwealth to meet interest and sinking fund requirements for each year, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective taxable valuations of the property of said towns, as last established by the general court as a basis of apportionment for state and county taxes.

SECTION 6. The proportions in which each of the towns belonging in whole or in part to either sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the respective sewerage systems, as estimated by the commission and certified by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective populations of said towns as ascertained by the last preceding state or national census. If less than the whole area of any town is included in either of said metropolitan sewerage systems, the valuation and population only of that part of the town included in either of said systems, as determined by the commission, shall be used as a basis in determining the proportion and amount which it shall pay as its share of interest and sinking fund requirements and of the cost of maintenance and operation of works as required by this and the preceding section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system, shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such system, and shall transmit its determinations to the state treasurer.

Metropolitan Water.

SECTION 26. The state treasurer, for the purpose of making the apportionment to the towns in the metropolitan water district of the amount required in each year to pay the interest, sinking fund requirements and expenses of maintenance and operation of the metropolitan water system, shall, in each year, apportion such amount to the towns in said district, one third in proportion to their valuations for the preceding year and the remaining two thirds in proportion to their consumption, in said year, of water received from all sources of supply as determined by the commission and certified to said treasurer; provided, that there shall be included in reckoning such proportion only one fifth of the total valuation, and nothing for consumption of water, for any town which has not reached the safe capacity of its present sources of supply or of the sources of supply of the water company by which it is supplied, determined as aforesaid, or which has not made application to said commission for water; and provided, further, that any town assessed upon its full valuation which obtains a part of its water supply from its own works or receives a supply from a water company shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid,

as determined by said commission and certified to said treasurer. The state treasurer shall annually notify each town of the amount of its assessment, and the same shall be paid by the town to the commonwealth at the time required for the payment of and as part of its state tax. . . .

Metropolitan Parks.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. The proportion in which each town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any town by adding together the percentage which the valuation of the same bears to the total valuation of the towns of the district and the percentage which the population of the same bears to the total population of the towns of the district, and dividing this sum by two.

SECTION 56. The proportion in which each town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable valuations of the property of said towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the towns of the state as a part of the annual state tax.

SECTION 57. The commission shall annually, in accordance with the provisions of the three preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determination of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 59. For the purposes of the five preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as

a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

WILLIAM S. YOUNGMAN,
Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1925.

Cities and Towns	Metropolitan Water	Metropolitan Parks and Boulevards	Metropolitan Sewerage, North and South Systems	Charles River Basin	Total
Arlington	\$31,458.53	\$24,176.31	\$31,604.05n	\$3,596.80	\$90,835.69
Belmont	19,735.01	14,571.59	18,698.54n	2,153.98	55,159.12
Boston	1,793,425.93	1,084,358.69	{ 115,078.70n 342,179.51s	230,728.50	3,565,771.33
Braintree		10,914.49		1,682.39	12,596.88
Brookline	93,206.06	70,776.99	93,910.97s	12,842.99	270,737.01
Cambridge		117,464.49	164,003.85n	42,414.38	323,882.72
Canton		5,672.30		845.37	6,518.67
Chelsea	65,492.84	37,040.09	54,570.78n	5,253.44	162,357.15
Cohasset		258.71			258.71
Dedham		11,700.90	15,137.82s	1,838.09	28,676.81
Dover		1,743.83		320.37	2,064.20
Everett	79,123.02	37,111.29	55,764.44n	5,460.68	177,459.43
Hingham		6,898.06		1,131.11	8,029.17
Hull		8,208.84		1,652.87	9,861.71
Lexington	10,621.32		8,515.84n		19,137.16
Lynn		84,288.62		11,899.72	96,188.34
Malden	57,491.80	41,872.22	60,018.77n	5,373.88	164,756.67
Medford	50,853.00	37,774.30	50,858.58n	4,997.67	144,493.55
Melrose	26,000.98	17,379.82	25,330.96n	2,593.96	71,305.72
Milton	15,750.22	14,512.03	19,301.45s	2,530.43	52,094.13
Nahant	4,171.56	2,737.14		505.56	7,414.26
Needham		9,161.93		1,529.33	10,691.26
Newton	7,288.05	64,202.77	85,555.25s	10,904.68	167,950.75
Quincy	90,308.38	75,108.14	73,288.28s	8,760.86	247,465.66
Reading			11,155.84n		11,155.84
Revere	43,354.01	23,848.80	35,823.09n	3,318.70	106,344.60
Saugus		7,739.83		981.83	8,721.66
Somerville	138,498.07	76,310.59	109,022.32n	9,887.75	333,718.73
Stoneham	11,174.09	7,154.80	9,851.41n	938.94	29,119.24
Swampscott	16,135.36	10,795.93		1,812.22	28,743.51
Wakefield		12,645.85	18,383.59n	1,901.23	32,930.67
Waltham		31,523.91	42,339.40s	4,836.78	78,700.09
Watertown	34,560.82	24,622.53	32,994.89s	3,946.41	96,124.65
Wellesley		14,489.95	19,177.28s	2,723.53	36,390.76
Weston		4,167.81		750.42	4,918.23
Westwood		2,066.01		358.84	2,424.85
Weymouth		14,055.07		2,076.72	16,131.79
Winchester		14,082.71	19,854.29n	2,369.09	36,306.09
Winthrop	20,301.47	13,549.16	19,917.59n	1,943.65	55,711.87
Woburn		13,703.75	20,313.19n	1,906.20	35,923.14
	\$2,608,960.52 ¹	\$2,048,690.25 ²	\$1,552,650.68 ³	\$398,770.37 ⁴	\$6,609,071.82

n. North System

s. South System

¹ Includes \$81,544.43 credit to Brookline for water furnished.

² Includes \$64,214.91 special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge, and \$24,891.95, Division of Metropolitan Planning.

³ Includes \$3,669.99, special assessments on Everett, Malden and Revere.

⁴ Includes \$49,772.57, special assessments on Boston and Cambridge, and \$25,539.80 embankment interest on Boston.

Special Metropolitan District Assessments for 1925.

CITIES AND TOWNS	Alewife Brook	Neponset Bridge, Serial Bonds and Interest	Neponset Bridge, Deficiency	Newton-Weston Bridge, Interest	Wellington Bridge, Interest	Wellington Bridge, Maintenance	Metropolitan Sewerage	Charles River Bridge Sinking Fund and Interest	Charles River Embankment, Interest	Total
Arlington	\$1,994.88	—	—	—	—	—	—	—	—	\$1,994.88
Delfmont	1,413.03	—	—	—	—	—	—	—	—	1,413.03
Boston	—	\$15,403.89	\$1,761.71	—	—	—	—	\$24,886.28	\$25,539.80	77,591.68
Cambridge	3,906.63	—	—	—	—	—	—	24,886.29	—	28,792.92
Everett	—	—	—	—	—	—	\$1,571.67 ¹ⁿ	—	—	1,571.67
Malden	—	—	—	—	\$29.90	\$2,515.92	1,571.66 ¹ⁿ	—	—	4,117.48
Medford	—	—	—	—	36.80	3,096.52	—	—	—	3,133.32
Newton	—	11,552.92	8,823.53	\$25.00	—	—	—	—	—	25.00
Quincy	—	—	—	—	—	—	—	—	—	20,376.45
Revere	—	—	—	—	25.30	2,128.86	526.66 ²ⁿ	—	—	526.66
Somerville	997.43	—	—	—	5.75	493.84	—	—	—	3,151.59
Stoneham	—	—	—	10.00	—	—	—	—	—	489.59
Weston	—	—	—	—	—	—	—	—	—	10.00
	\$8,311.973	\$26,956.814	\$20,588.215	\$35.008	\$97.757	\$8,225.148	\$3,669.99	\$49,772.57	\$25,539.80	\$143,197.27

¹ Fourteenth assessment under chapter 512, Acts of 1911 (total assessments 29).

² Fifteenth assessment under chapter 529, Acts of 1914 (total assessments 11).

³ Fifteenth assessment under chapter 529, Acts of 1907 (total assessments, 26) and twelfth assessment under chapter 458, Acts of 1911 (total assessments, 26)

⁴ Tenth assessment under chapter 300, General Acts of 1915 (total assessments, 18) and third assessments under chapter 220, General Acts of 1917 and

chapter 380, Acts of 1922 (total assessments, 20).

⁵ Assessment under Item 639, chapter 211, Acts of 1925.

⁶ Assessment under chapter 368, Special Acts of 1915.

⁷ Assessment under chapter 276, General Acts of 1915.

⁸ Tenth assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1925.

	Neponset Bridge, Serial Bonds and Interest	Neponset Bridge, Deficiency	Newton- Weston Bridge	Wellington Bridge, Serial Bonds and Interest	Total
Middlesex County	—	—	\$15.00	—	\$ 15.00
Norfolk County	\$3,850.97	\$2,941.17	—	—	6,792.14
Plymouth County	1,925.49	1,470.59	—	—	3,396.08
Bay State Street Railway Co.	5,385.00	—	—	—	5,385.00
Boston Elevated Railway Co.	—	—	—	34.50	34.50
	\$11,161.46 ¹	\$4,411.76 ²	\$15.00 ³	\$34.50 ⁴	\$15,622.72

¹ Tenth assessment under chapter 300, General Acts of 1915, (total assessments, 18) and third assessments under chapter 220, General Acts of 1917, and chapter 380, Acts of 1922 (total assessments, 20).

² Assessment under Item 659, chapter 211, Acts of 1925.

³ Assessment under chapter 368, Special Acts of 1915.

⁴ Assessment under chapter 276, General Acts of 1915.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1925.

Gross water debt, April 1, 1925:

Bonds outstanding (sinking fund)	\$41,398,000 00	
Bonds outstanding (serial)	3,776,000 00	
		\$45,174,000 00

an increase for the year of \$1,053,000.

Sinking fund, April 1, 1925	21,727,950 83
-----------------------------------	---------------

an increase for the year of \$1,109,909.55.

Net Water debt, April 1, 1925	\$23,446,049 17
-------------------------------------	-----------------

a decrease for the year of \$56,909.55.

Total Water Assessments for 1925.

Sinking Fund requirements		\$179,049 03
Serial bonds	\$115,000 00	
Less premium	26,618 96	
		88,381 04

Interest:

One year on \$41,398,000	\$1,393,435 00	
Six months on 2,723,000	53,998 75	
Six months on 3,776,000	75,075 00	
Interest on advances and temporary loans, estimated, 1925	20,000 00	
		1,542,508 75

Adjustment of interest charges in 1924	15,990 19	
Accrued interest	7,713 11	
		23,703 30

1,518,805 45

Maintenance as appropriated by Legislature	785,900 00	
Less balance on hand	44,719 43	
		741,180 57

Credit to Brookline for water furnished		81,544 43
---	--	-----------

Total Metropolitan Water assessment \$2,608,960 52

METROPOLITAN WATER LOAN. *Sinking Fund.*

BONDS ISSUED	Due Dates	Sinking Fund Dec. 1, 1924	Amount of Dec. 1, 1924 Sinking Fund At maturity of loan Accumulations reckoned at 4 Per Cent.	Balance to be provided for	Sinking Fund Requirements for 1925
\$13,000,000	July, 1935	\$8,411,671.21	\$12,749,286.75	\$250,713.25	\$20,843.44
4,000,000	Jan., 1938	2,263,493.09	3,787,770.31	212,229.69	12,732.18
4,000,000	July, 1939	2,057,776.88	3,654,292.10	345,707.90	18,847.70
10,000,000	Jan., 1941	4,622,812.54	8,711,877.78	1,288,122.22	58,832.96
3,500,000	Jan., 1942	1,536,202.66	3,011,995.70	488,004.30	20,522.40
2,000,000	Jan., 1943	812,264.90	1,656,928.87	343,071.13	13,328.44
2,000,000	Jan., 1944	759,558.39	1,612,009.84	387,990.16	13,966.69
650,000	Jan., 1945	258,496.56	570,770.65	79,229.35	2,649.64
1,350,000	Jan., 1946	453,919.23	1,042,763.43	307,236.57	9,568.25
398,000	Jan., 1949	104,125.63	269,380.33	128,619.67	3,274.10
500,000	Jan., 1950	116,021.81	312,282.91	187,717.09	4,483.23
\$41,398,000	—	\$21,396,342.90	\$37,379,358.67	\$4,018,641.33	\$179,049.03

Computations for determining the Assessment for 1925. (See Section 26 of Chapter 92, General Laws.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS	Valuation 1924	Average daily Con- sumption (Gallons), 1924	RATIO OF TOTALS		Average Ratio, Double Weight to Consump- tion
			Valuation	Consumption	
Arlington	\$37,593,787	1,395,000	.014342	.010893	.012043
Belmont	23,097,841	887,200	.008812	.006927	.007555
Boston	1,809,988,498	87,680,900	.690482	.684638	.686586
Brookline	127,522,900	3,969,300	.048618	.030893	.036878
Chelsea	51,790,800	3,551,700	.019757	.027733	.025074
Everett	54,356,825	4,491,500	.020736	.035071	.030293
Lexington	13,637,627	448,000	.005203	.003498	.004066
Malden	56,015,300	2,859,900	.021369	.022331	.022010
Medford	53,185,300	2,411,400	.020289	.019063	.019172
Melrose	27,212,650	1,247,400	.010381	.009740	.009954
Milton	25,429,080	537,000	.009701	.004193	.006029
Nahant	4,540,479	195,800	.001732	.001529	.001597
Newton	21,933,250	—	.008367	—	.002789
Quincy	93,711,425	4,352,400	.035749	.033985	.034573
Revere	36,642,500	2,293,300	.013919	.017907	.016598
Somerville	99,317,500	7,760,100	.037888	.060493	.053025
Stonham	9,045,850	600,900	.003451	.004682	.004278
Swampscott	18,617,871	731,100	.007114	.005709	.006177
Watertown	36,212,668	1,657,100	.013814	.012939	.013231
Winthrop	21,458,750	969,000	.008186	.007566	.007772
	\$2,621,340,901	128,069,000	1.000000	1.000000	1.000000

1 In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply and has not made application for water.

METROPOLITAN WATER LOAN.
Division of Assessment for 1925.

CITIES AND TOWNS	Sinking Funds	Serial Bonds	Interest	Maintenance	Totals
Arlington	\$2,156.29	\$1,064.37	\$18,290.98	\$8,926.04	\$30,437.68
Belmont	1,352.72	667.72	11,474.58	5,599.62	19,094.64
Boston	122,932.56	60,681.18	1,042,790.56	508,884.20	1,735,288.50
Brookline	6,602.97	3,259.32	56,010.51	27,333.26	93,206.06
Chelsea	4,489.48	2,216.07	38,082.53	18,584.36	63,372.44
Everett	5,423.93	2,677.33	46,009.17	22,452.58	76,563.01
Lexington	728.01	359.36	6,175.46	3,013.64	10,276.47
Malden	3,940.87	1,945.27	33,428.91	16,313.38	55,628.43
Medford	3,486.44	1,720.96	29,574.18	14,432.27	49,213.85
Melrose	1,782.25	879.74	15,118.19	7,377.71	25,157.89
Milton	1,079.49	532.85	9,156.87	4,468.58	15,237.79
Nahant	285.94	141.14	2,425.53	1,183.67	4,036.28
Newton	499.37	246.49	4,235.95	2,067.15	7,048.96
Quincy	6,190.26	3,055.60	52,509.66	25,624.84	87,380.36
Revere	2,971.86	1,466.95	25,209.13	12,302.12	41,950.06
Somerville	9,494.07	4,686.40	80,534.66	39,301.10	134,016.23
Stoneham	765.97	378.09	6,497.45	3,170.77	10,812.28
Swampscott	1,105.98	545.93	9,381.66	4,578.27	15,611.84
Watertown	2,369.00	1,169.37	20,095.31	9,806.56	33,440.24
Winthrop	1,391.57	686.90	11,804.16	5,760.45	19,643.08
	\$179,049.03	\$88,381.04	\$1,518,805.45	\$741,180.57	\$2,527,416.09

¹ Does not include \$81,544.43, credit to town of Brookline for water furnished (see following table).

*Computations for determining percentages to be used in charging credit to
Town of Brookline for water furnished and Assessments thereof.*

CITIES AND TOWNS	Valuation 1924	Average Daily Consumption (gallons) 1924	RATIO OF TOTALS		Average Ratio, Double Weight to Consumption	Assessment
			Valuation	Consumption		
Arlington	\$37,593,787	1,395,000	.015075	.011241	.012519	\$1,020.85
Belmont	23,097,841	887,200	.009262	.007149	.007853	640.37
Boston	1,809,988,498	87,680,900	.725790	.706536	.712954	58,137.43
Chelsea	51,790,800	3,551,700	.020768	.028620	.026003	2,120.40
Everett	54,356,825	4,491,500	.021797	.036193	.031394	2,560.01
Lexington	13,637,627	448,000	.005468	.003610	.004229	344.85
Malden	56,015,300	2,859,900	.022462	.023045	.022851	1,863.37
Medford	53,185,300	2,441,400	.021327	.019673	.020224	1,649.15
Melrose	27,212,650	1,247,400	.010912	.010052	.010339	843.09
Milton	25,429,080	537,000	.010197	.004327	.006284	512.43
Nahant	4,540,479	195,800	.001821	.001578	.001659	135.28
Newton ¹	21,933,250	—	.038795	—	.002932	239.09
Quincy	93,711,425	4,352,400	.037577	.035072	.035907	2,928.02
Revere	36,642,500	2,293,300	.014693	.018479	.017217	1,403.95
Somerville	99,317,500	7,760,100	.039825	.062531	.054962	4,481.84
Stoneham	9,045,850	600,900	.003627	.004842	.004437	361.81
Swampscott	18,647,871	731,100	.007478	.005891	.006420	523.52
Watertown	36,212,668	1,657,100	.014521	.013353	.013742	1,120.58
Winthrop	21,458,750	969,000	.003605	.007808	.008074	658.39
	\$2,493,818,001	124,099,700	1.000000	1.000000	1.000000	\$81,544.43

¹ In accordance with the provisions of section 26 of chapter 92 of the General Laws, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

Comparison of Total Assessments, 1924 and 1925, with Revenue from Water Rates in 1925.

CITIES AND TOWNS	WATER ASSESSMENTS		Water Revenue received by Cities and Towns, 1924
	1924	1925	
Arlington	\$29,239.38	\$31,458.53	\$91,390.12
Belmont	18,812.22	19,735.01	61,627.83 ¹
Boston	1,829,973.63	1,793,425.93	3,928,816.04 ³
Brookline	—	93,206.06	—
Chelsea	65,810.29	65,492.84	150,280.90
Everett	75,924.49	79,123.02	163,947.64 ¹
Lexington	10,557.19	10,621.32	33,483.28
Malden	57,571.16	57,491.80	147,885.37 ³
Medford	52,026.17	50,863.00	121,344.86 ¹
Melrose	26,475.80	26,000.98	59,959.05 ¹
Milton	14,738.24	15,750.22	73,713.62 ⁵
Nahant	4,188.70	4,171.56	12,341.27 ³
Newton	7,413.74	7,288.05	— ⁴
Quincy	86,652.47	90,308.38	265,504.02
Revere	43,289.27	43,354.01	92,804.61 ¹
Somerville	142,275.86	138,498.07	302,373.18 ³
Stonham	11,505.56	11,174.09	40,411.87
Swampscott	15,360.30	16,125.36	59,371.89
Watertown	36,204.42	34,560.82	115,987.70 ¹
Winthrop	20,408.15	20,301.47	61,019.38
	\$2,549,427.04	\$2,608,960.52	\$5,782,292.63

¹ No money received for hydrant rentals.

² Boston's fiscal year ends January 31st.

³ No money received for hydrant rentals or from municipal departments.

⁴ Not taking water regularly from Metropolitan works.

⁵ No money received from Municipal departments.

Net Water Debt of the Cities of the Original Metropolitan Water District.

CITIES	Jan. 1, 1924	Jan. 1, 1925	Decrease
Boston	\$266,000.00	\$250,000.00	\$16,000.00 ¹
Chelsea	3,000.00	—	3,000.00 ¹
Everett	-4,561.63	50,000.00	54,561.63
Malden	-6,058.74	-7,490.41	1,431.67 ¹
Medford	18,158.08	61,000.00	45,841.92
Melrose	77,054.21	92,511.16	15,456.95
Somerville	—	—	—
	\$353,591.92	\$449,020.75	\$95,428.83

¹ Decrease.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1925:

Bonds outstanding (sinking fund)	\$9,485,000 00	
Bonds outstanding (serial)	103,750 00	
		<u>\$9,588,750 00</u>

a decrease for the year of \$19,250.

Sinking fund, April 1, 1925 5,210,980 42

an increase for the year of \$252,157.76.

Net parks debt, April 1, 1925 \$4,377,769 58

a decrease for the year of \$271,407.76.

BOULEVARDS.

Gross parks, series two, (boulevards), debt, April 1, 1925:

Bonds outstanding (sinking fund) (one-half)	2,567,500 00	
Bonds outstanding (serial) (one-half)	1,042,000 00	
Bonds outstanding (serial), 78.75 per cent (chapter 300, General Acts of 1915 and chapter 220, General Acts of 1917)	204,750 00	
Bonds outstanding (serial) 75 per cent, (chapter 238, General Acts of 1919 and chapter 380, Acts of 1922	303,000 00	
		<u>\$4,117,250 00</u>

an increase for the year of \$496,006.25.

Sinking fund, April 1, 1925 (one-half) 1,323,747 53

an increase for the year of \$63,625.46.

Net parks, series two, (boulevards) debt \$2,793,502 47

an increase for the year of \$432,380.79.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1925 is made up as follows:

Parks sinking fund		\$45,184 18
Parks, series two, sinking fund		11,047 00
Nantasket sinking fund		2,860 75
Parks serial bonds		13,750 00
Parks, series two, serial bonds	\$70,062 50	
Less premium	13,274 39	
		<u>56,788 11</u>

Parks interest:

One year on \$8,785,000	\$301,225 00	
Six months on 120,500	2,327 50	
Six months on 103,750	1,996 88	
Interest on advances and temporary loans, estimated, 1925	15,000 00	320,549 38

Adjustment of interest charges in 1924 12,153 69

308,395 69

Parks, series two, interest:

One year on \$2,567,500.00 ..	87,737 50	
Six months on 669,756.25 ..	13,531 37	
Six months on 1,198,250.00 ..	24,092 50	
		<u>125,361 37</u>

Adjustment of interest

charges in 1924	4,605 06	
Accrued interest	3,846 39	

8,451 45116,909 92

Nantasket interest:

One year on \$700,000		21,000 00
Parks maintenance as appropriated by Legisla- ture	995,095 38	
Less balance on hand	62,301 59	
	<hr/>	932,793 79
Parks, series two, maintenance	459,000 00	
Less balance on hand	90,248 20	
	<hr/>	368,751 80
Nantasket maintenance	80,500 00	
Less balance on hand	2,510 42	
	<hr/>	77,989 58
Wellington Bridge maintenance (one-quarter)	4,250 00	
Less balance on hand (one-quarter)	137 43	
	<hr/>	4,112 57
	<hr/>	
Total parks assessment for 1925		\$1,959,583 39 ¹

¹ Exclusive of \$24,891.95 Division of Metropolitan Planning.

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE AND
NANTASKET AND METROPOLITAN PLANNING DIVISION.

Total Assessments and Grand Total.

CITIES AND TOWNS	Total Sinking Fund	Total Serial Bonds	Total Interest	Total Maintenance	Metropolitan Planning Division	Grand Total
Arlington	\$657.01	\$784.38	\$4,962.25	\$15,497.95	\$279.84	\$22,181.43
Belmont	393.46	469.72	2,971.69	9,159.35	164.34	13,158.56
Boston	32,935.05	39,319.45	248,750.57	723,579.53	12,605.49	1,057,190.09
Braintree	307.31	366.89	2,321.07	7,774.31	144.91	10,914.49
Brookline	2,345.97	2,800.74	17,718.57	47,131.48	780.23	70,776.99
Cambridge	3,201.78	3,822.44	24,182.27	80,845.65	1,505.72	113,557.86
Canton	154.61	184.57	1,167.67	4,087.83	77.62	5,672.30
Chelsea	959.62	1,145.64	7,247.79	27,157.65	529.39	37,040.09
Cohasset	7.27	—	53.34	198.10	—	258.71
Dedham	335.75	400.83	2,535.87	8,275.94	152.51	11,700.90
Dover	58.52	69.87	442.01	1,154.53	18.90	1,743.83
Everett	997.48	1,190.84	7,533.71	26,875.11	514.15	37,111.29
Hingham	206.62	246.66	1,560.51	4,798.28	85.99	6,898.06
Hull	301.92	360.45	2,280.36	5,189.09	77.02	8,208.84
Lynn	2,173.67	2,595.03	16,417.21	61,893.48	1,209.23	84,288.62
Malden	981.62	1,171.91	7,413.96	29,180.03	578.88	39,326.40
Medford	912.90	1,089.87	6,894.94	25,255.14	488.13	34,640.98
Melrose	473.82	565.68	3,578.71	12,523.85	237.76	17,379.82
Milton	462.22	551.83	3,491.06	9,838.46	168.46	14,512.03
Nahant	92.35	110.25	697.48	1,807.62	29.44	2,737.14
Needham	279.36	333.51	2,109.92	6,327.16	111.98	9,161.93
Newton	1,991.92	2,378.04	15,044.41	43,994.81	768.59	64,177.77
Quincy	1,600.32	1,910.53	12,086.75	38,434.18	699.91	54,731.69
Revere	606.21	723.73	4,578.57	17,594.17	346.12	23,848.80
Saugus	179.34	214.12	1,354.56	5,871.63	120.18	7,739.83
Somerville	1,806.15	2,156.27	13,641.45	54,469.22	1,085.91	73,159.00
Stoneham	171.51	204.75	1,295.38	4,897.78	95.79	6,665.21
Swampscott	331.03	395.20	2,500.18	7,438.40	131.12	10,795.93
Wakefield	347.28	414.61	2,623.00	9,089.10	171.86	12,645.85
Waltham	883.52	1,054.78	6,672.97	22,492.25	420.39	31,523.91
Watertown	720.87	860.61	5,444.58	17,282.02	314.45	24,622.53
Wellesley	497.50	593.94	3,757.45	9,489.10	151.96	14,489.95
Weston	137.08	163.65	1,035.31	2,775.60	46.17	4,157.81
Westwood	65.55	78.25	495.08	1,403.03	24.10	2,066.01
Weymouth	379.35	452.88	2,865.12	10,163.71	194.01	14,055.07
Winchester	432.75	516.64	3,268.47	9,694.24	170.61	14,082.71
Winthrop	355.04	423.86	2,681.52	9,896.90	191.84	13,549.16
Woburn	348.20	415.69	2,629.85	10,111.06	198.95	13,703.75

\$59,091.93 \$70,538.11 \$446,305.61 \$1,383,647.74 \$24,891.95 \$1,984,475.34

METROPOLITAN PARKS (EXCEPTING NANTASKET) AND BOULEVARDS AND
CHARLES RIVER BASIN.

*Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (except-
ing Parks Maintenance) Requirements as determined by Metropolitan
District Commission.*

CITIES AND TOWNS	Valuation (Chapter 212, Acts of 1925)	Per Cent.
Arlington	\$41,875,036	.011119835248
Belmont	25,077,267	.006659220006
Boston	2,099,135,596	.557421419051
Braintree	19,586,817	.005201241572
Brookline	149,521,993	.039705277580
Cambridge	204,067,353	.054189692990
Canton	9,853,642	.002616615676
Chelsea	61,162,070	.016241470021
Dedham	21,399,474	.005682589151
Dover	3,729,933	.000990476532
Everett	63,574,863	.016882182560
Hingham	13,168,694	.003496921357
Hull	19,243,291	.005110018903
Lynn	138,540,086	.036789053304
Malden	62,564,379	.016613850478
Medford	58,184,383	.015450750966
Melrose	30,199,728	.008019479670
Milton	29,460,067	.007823064114
Nahant	5,885,817	.001562967381
Needham	17,804,996	.004728082433
Newton	126,955,555	.033712803384
Quincy	101,996,678	.027085021614
Revere	38,637,306	.010260062275
Saugus	11,430,789	.0030355424028
Somerville	115,116,241	.030568896329
Stonham	10,931,340	.002902796307
Swampscott	21,098,300	.005602612975
Wakefield	22,134,701	.005877827266
Waltham	56,311,341	.014953368267
Watertown	45,945,293	.012200684163
Wellesley	31,708,106	.008420026546
Weston	8,736,657	.002320002458
Westwood	4,177,828	.001109414188
Weymouth	24,177,886	.006420391112
Winchester	27,581,674	.007324260467
Winthrop	22,628,616	.006008985444
Woburn	22,192,645	.005893214184
	\$3,765,796,441	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET)

*Portion of Maintenance Requirements as determined by Metropolitan District
Commission.*

CITIES AND TOWNS	Valuation (Chapter 212 Acts of 1925)	Per Cent.	Popula- tion	Per Cent.	Average Per Cent.
Arlington	\$41,875,036	.011119835248	18,665	.011364729578	.0112422824130
Belmont	25,077,267	.006659220006	10,749	.006544842124	.0066020310650
Boston	2,099,135,596	.557421419051	747,923	.455394730273	.5064080746620
Braintree	19,586,817	.005201241572	10,580	.006441941545	.0058215915585
Brookline	149,521,993	.039705277580	37,748	.022983970647	.0313446241135
Cambridge	204,067,353	.054189692990	109,694	.066790390912	.0604900419510
Canton	9,853,642	.002616615676	5,945	.003619786624	.0031182011500
Chelsea	61,162,070	.016241470021	43,184	.026293837777	.0212676538990
Dedham	21,399,474	.005682589151	10,792	.006571023928	.0061268065395
Dover	3,729,933	.000990476532	867	.000527898234	.0007591873830
Everett	63,574,863	.016882182560	40,120	.024428232022	.0206552072910
Hingham	13,168,694	.003496921357	5,604	.003412158830	.0034545400935
Hull	19,243,291	.005110018903	1,771	.0101078324998	.0030941719505
Lynn	138,540,086	.036789053304	99,148	.060369151259	.0485791022815
Malden	62,564,379	.016613850478	49,103	.029897793544	.0232558220110
Medford	58,184,383	.015450750966	39,038	.023769424767	.0196100878665
Melrose	30,199,728	.008019479670	18,204	.011084036284	.0095517579770
Milton	29,460,067	.007823064114	9,382	.005712504308	.0067677842110
Nahant	5,885,817	.001562967381	1,318	.000802502737	.0011827350590
Needham	17,804,996	.004728082433	7,012	.004269460691	.0044987715620
Newton	126,955,555	.033712803384	46,054	.028041320975	.0308770621795
Quincy	101,996,678	.027085021614	47,876	.029150698811	.0281178602125
Revere	38,637,306	.010260062275	28,823	.017549724117	.0139048931960
Saugus	11,430,789	.003035424028	10,874	.006620952020	.0048281880240
Somerville	115,116,241	.030568896329	93,091	.056681170169	.0436250332490
Stoneham	10,931,340	.002902796307	7,873	.004793705651	.0038482509790
Swampscott	21,098,300	.005602612975	8,101	.004932530100	.0052675715375
Wakefield	22,134,701	.005877827266	13,025	.007930651099	.0069042391825
Waltham	56,311,341	.014953368267	30,915	.018823499326	.0168884337965
Watertown	45,945,293	.012200684163	21,457	.013064720202	.0126327021825
Wellesley	31,708,106	.008420026546	6,224	.003789663911	.0061048452285
Weston	8,736,657	.002320002458	2,282	.001389462250	.0018547323540
Westwood	4,177,828	.001109414188	1,358	.000826857903	.0009681360455
Weymouth	24,177,886	.006420391112	15,057	.009167893558	.0077941423350
Winchester	27,581,674	.007324260467	10,485	.006384098025	.0068541792460
Winthrop	22,628,616	.006008985444	15,446	.009404747553	.0077068664985
Woburn	22,192,645	.005893214184	16,574	.010091563248	.0079923887160

\$3,765,796,441 1.000000000000 1,642,362 1.000000000000 1.000000000000

METROPOLITAN PARKS — NANTASKET.

*Portion of Sinking Fund, Interest and Maintenance Requirements as determined
by Metropolitan District Commission.*

CITIES AND TOWNS	Valuation (Chapter 212, Acts of 1925)	Per Cent.
Arlington	41,875,036	.011091590003
Belmont	25,077,267	.006642305071
Boston	2,099,135,596	.556005525384
Braintree	19,586,817	.005188030015
Brookline	149,521,993	.039604423093
Cambridge	204,067,353	.054052046964
Canton	9,853,642	.002609969269
Chelsea	61,162,070	.016200215426
Cohasset	9,589,774	.002540077612
Dedham	21,399,474	.005668154933
Dover	3,729,933	.000987960645
Everett	63,574,863	.016839300506
Hingham	13,168,694	.003488038905
Hull	19,243,291	.005097039059
Lynn	138,540,086	.036695606253
Malden	62,564,379	.016571650008
Medford	58,184,383	.015411504860
Melrose	30,199,728	.007999109569
Milton	29,460,067	.007803192924
Nahant	5,885,817	.001558997322
Needham	17,804,996	.004716072737
Newton	126,955,555	.033627170247
Quincy	101,996,678	.027016223557
Revere	38,637,306	.010234000921
Saugus	11,430,789	.003027713815
Somerville	115,116,241	.030491248959
Stoneham	10,931,340	.002895422979
Swampscott	21,098,300	.005588381903
Wakefield	22,134,701	.005862897129
Waltham	56,311,341	.014915385551
Watertown	45,945,293	.012169693479
Wellesley	31,708,106	.008398639025
Weston	8,736,657	.002314109472
Westwood	4,177,828	.001106596190
Weymouth	24,177,886	.006404082820
Winchester	27,581,674	.007305656277
Winthrop	22,628,616	.005993722155
Woburn	22,192,645	.005878244963

\$3,775,386,215

1.000000000000

METROPOLITAN PARKS LOAN.
Sinking Fund.

BONDS ISSUED	Due Dates	Sinking Fund Dec. 1, 1924	Amount of Dec. 1, 1924 Sinking Fund At Maturity of Loan. Accumulations reckoned at 4 Per Cent.	Balance to be provided for	Sinking Fund Requirements for 1925
\$125,000	Jan., 1928	100,721.40	\$113,428.65	\$11,571.35	\$3,705.40
1,300,000	Jan., 1934	860,647.09	1,229,215.97	70,784.03	6,677.64
2,000,000	Jan., 1936	1,210,908.37	1,872,039.71	127,960.29	9,468.48
1,400,000	Jan., 1937	811,111.63	1,304,622.15	95,377.85	6,333.05
1,000,000	July, 1938	547,321.37	934,215.44	65,784.56	3,946.58
505,000	July, 1939	263,730.95	468,345.20	36,654.80	1,998.39
650,000	Jan., 1941	346,386.39	652,779.20	2,779.20'	—
125,000	Jan., 1943	51,042.38	104,120.70	20,879.30	811.17
340,000	July, 1943	140,775.88	292,910.27	47,089.73	1,829.45
300,000	Jan., 1944	112,804.57	239,405.00	60,595.00	2,181.27
370,000	Jan., 1945	127,398.97	281,301.98	88,698.02	2,966.29
300,000	Jan., 1946	99,964.37	229,642.59	70,357.41	2,191.14
300,000	Jan., 1947	89,734.61	214,470.48	85,529.52	2,485.80
70,000	Jan., 1949	18,105.88	46,841.19	23,158.81	589.52
\$8,785,000	—	\$4,780,653.86	\$7,983,338.53	\$801,661.47	\$45,184.18

Nantasket.

\$600,000	July, 1939	\$314,558.79	\$558,607.55	\$41,392.45	\$2,256.68
100,000	Jan., 1941	46,045.29	86,774.22	13,225.78	604.07
\$700,000	—	\$360,604.08	645,381.77	\$54,618.23	\$2,860.75

' Surplus.

METROPOLITAN PARKS LOAN, SERIES TWO.
Sinking Fund.

BONDS ISSUED	Due Dates	Sinking Fund Dec. 1, 1924	Amount of Dec. 1, 1924 Sinking Fund at Maturity of Loan Accumulations reckoned at 4 Per Cent.	Balance to be provided for	Sinking Fund Requirements for 1925
\$250,000	Jan., 1934	\$170,807.76	\$243,955.54	\$6,044.46	\$570.00
300,000	Jan., 1936	188,065.11	290,744.83	9,255.17	685.00
500,000	Jan., 1937	300,358.28	483,107.44	16,892.56	1,122.00
50,000	July, 1938	28,415.58	48,502.17	1,497.83	90.00
250,000	July, 1939	136,253.12	241,964.38	8,035.62	438.00
225,000	Jan., 1940	108,132.60	195,867.24	29,132.76	1,451.00
162,500	July, 1940	82,484.91	152,398.20	10,101.80	503.00
55,000	Jan., 1943	23,118.79	47,159.73	7,840.27	305.00
150,000	July, 1943	59,656.43	124,126.24	25,873.76	1,005.00
150,000	Jan., 1944	57,751.59	122,566.13	27,433.87	988.00
150,000	Jan., 1945	52,530.28	115,988.94	34,011.06	1,137.00
150,000	Jan., 1946	46,807.47	107,528.20	42,471.80	1,323.00
150,000	Jan., 1947	45,412.33	108,537.88	41,462.12	1,205.00
25,000	Jan., 1949	6,241.64	16,147.56	8,852.44	225.00
\$2,567,500	—	\$1,306,035.89	\$2,298,594.48	\$268,905.52	\$11,047.00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.
Sinking Fund Requirements.

CITIES AND TOWNS	Parks	Boulevards	Nantasket	Total
Arlington	\$502.44	\$122.84	\$31.73	\$657.01
Belmont ..	300.89	73.57	19.00	393.46
Boston	25,186.63	6,157.83	1,590.59	32,935.05
Braintree	235.01	57.46	14.84	307.31
Brookline	1,794.05	438.62	113.30	2,345.97
Cambridge	2,448.52	598.63	154.63	3,201.78
Canton	118.23	28.91	7.47	154.61
Chelsea	733.86	179.42	46.34	959.62
Cohasset	—	—	7.27	7.27
Dedham	256.76	62.78	16.21	335.75
Dover	44.75	10.94	2.83	58.52
Everett	762.81	186.50	48.17	997.48
Hingham	158.01	38.63	9.98	206.62
Hull	230.89	56.45	14.58	301.92
Lynn	1,662.28	406.41	104.98	2,173.67
Malden	750.68	183.53	47.41	981.62
Medford	698.13	170.68	44.09	912.90
Melrose	362.35	88.59	22.88	473.82
Milton	353.48	86.42	22.32	462.22
Nahant	70.62	17.27	4.46	92.35
Needham	213.64	52.23	13.49	279.36
Newton	1,523.29	372.43	96.20	1,991.92
Quincy	1,223.82	299.21	77.29	1,600.32
Revere	463.59	113.34	29.28	606.21
Saugus	137.15	33.53	8.66	179.34
Somerville	1,381.23	337.69	87.23	1,806.15
Stoneham	131.16	32.07	8.28	171.51
Swampscott	253.15	61.89	15.99	331.03
Wakefield	265.58	64.93	16.77	347.28
Waltham	675.66	165.19	42.67	883.52
Watertown	551.28	134.78	34.81	720.87
Wellesley	380.45	93.02	24.03	497.50
Weston	104.83	25.63	6.62	137.08
Westwood	50.13	12.26	3.16	65.55
Weymouth	290.10	70.93	18.32	379.35
Winchester	330.94	80.91	20.90	432.75
Winthrop	271.51	66.38	17.15	355.04
Woburn	266.28	65.10	16.82	348.20
	\$45,184.18	\$11,047.00	\$2,860.75	\$59,091.93

MEETROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.
Serial Bond Requirements.

CITIES AND TOWNS	Parks	Boulevards	Total
Arlington	\$152.90	\$631.48	\$784.38
Belmont	91.56	378.16	469.72
Boston	7,664.54	31,654.91	39,319.45
Braintree	71.52	295.37	366.89
Brookline	545.95	2,254.79	2,800.74
Cambridge	745.11	3,077.33	3,822.44
Canton	35.98	148.59	184.57
Chelsea	223.32	922.32	1,145.64
Dedham	78.13	322.70	400.83
Dover	13.62	56.25	69.87
Everett	232.13	958.71	1,190.84
Hingham	48.08	198.58	246.66
Hull	70.26	290.19	360.45
Lynn	505.85	2,089.18	2,595.03
Malden	228.44	943.47	1,171.91
Medford	212.45	877.42	1,089.87
Melrose	110.27	455.41	565.68
Milton	107.57	444.26	551.83
Nahant	21.49	88.76	110.25
Needham	65.01	268.50	333.51
Newton	463.55	1,914.49	2,378.04
Quincy	372.42	1,538.11	1,910.53
Revere	141.08	582.65	723.73
Saugus	41.74	172.38	214.12
Somerville	420.32	1,735.95	2,156.27
Stoneham	39.91	164.84	204.75
Swampscott	77.04	318.16	395.20
Wakefield	80.82	333.79	414.61
Waltham	205.61	849.17	1,054.78
Watertown	167.76	692.85	860.61
Wellesley	115.78	478.16	593.94
Weston	31.90	131.75	163.65
Westwood	15.25	63.00	78.25
Weymouth	88.28	364.60	452.88
Winchester	100.71	415.93	516.64
Winthrop	82.62	341.24	423.86
Woburn	81.03	334.66	415.69
	\$13,750.00	\$56,788.11	\$70,538.11

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.
Interest Requirements.

CITIES AND TOWNS	Parks	Boulevards	Nantasket	Total
Arlington	\$3,429.31	\$1,300.02	\$232.92	\$4,962.25
Belmont	2,053.67	778.53	139.49	2,971.69
Boston	171,906.36	65,168.09	11,676.12	248,750.57
Braintree	1,604.04	608.08	108.95	2,321.07
Brookline	12,244.94	4,641.94	831.69	17,718.57
Cambridge	16,711.87	6,335.31	1,135.09	24,182.27
Canton	806.95	305.91	54.81	1,167.67
Chelsea	5,008.80	1,898.79	340.20	7,247.79
Cohasset			53.34	53.34
Dedham	1,752.49	664.35	119.03	2,535.87
Dover	305.46	115.80	20.75	442.01
Everett	5,206.39	1,973.69	353.63	7,533.71
Hingham	1,078.44	408.82	73.25	1,560.51
Hull	1,575.91	597.41	107.04	2,280.36
Lynn	11,345.59	4,301.01	770.61	16,417.21
Malden	5,123.64	1,942.32	348.00	7,413.96
Medford	4,764.95	1,806.35	323.64	6,894.94
Melrose	2,473.17	937.56	167.98	3,578.71
Milton	2,412.60	914.59	163.87	3,491.06
Nahant	482.01	182.73	32.74	697.48
Needham	1,458.12	552.76	99.04	2,109.92
Newton	10,396.88	3,941.36	706.17	15,044.41
Quincy	8,352.90	3,166.51	567.54	12,086.75
Revere	3,164.16	1,199.50	214.91	4,578.57
Saugus	936.11	354.87	63.58	1,354.56
Somerville	9,427.32	3,573.81	640.32	13,641.45
Stoneham	895.21	339.37	60.80	1,295.38
Swampscott	1,727.82	655.00	117.36	2,500.18
Wakefield	1,812.70	687.18	123.12	2,623.00
Waltham	4,611.55	1,748.20	313.22	6,672.97
Watertown	3,762.64	1,426.38	255.56	5,444.58
Wellesley	2,596.70	984.38	176.37	3,757.45
Weston	715.48	271.23	48.60	1,035.31
Westwood	342.14	129.70	23.24	495.08
Weymouth	1,980.02	750.61	134.49	2,865.12
Winchester	2,258.77	856.28	153.42	3,268.47
Winthrop	1,853.14	702.51	125.87	2,681.52
Woburn	1,817.44	688.97	123.44	2,629.85
	\$308,395.69	\$116,909.92	\$21,000.00	\$446,305.61

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON BRIDGE,
AND NANTASKET.
Maintenance Requirements.

CITIES AND TOWNS	Parks	Wellington Bridge	Nantasket	Boulevards	Total
Arlington	\$10,486.73	\$45.73	\$865.03	\$4,100.46	\$15,497.95
Belmont	6,158.33	27.39	518.03	2,455.60	9,159.35
Boston	472,374.31	2,292.43	43,362.64	205,550.15	723,579.53
Braintree	5,430.34	21.39	404.61	1,917.97	7,774.31
Brookline	29,238.07	163.29	3,088.73	14,641.39	47,131.48
Cambridge	56,424.74	222.86	4,215.50	19,982.55	80,845.65
Canton	2,908.64	10.76	203.55	964.88	4,087.83
Chelsea	19,838.34	66.79	1,263.45	5,989.07	27,157.65
Cohasset			198.10		198.10
Dedham	5,715.05	23.37	442.06	2,095.46	8,275.94
Dover	708.17	4.07	77.05	365.24	1,154.53
Everett	19,267.05	69.43	1,313.29	6,225.34	26,875.11
Hingham	3,222.37	14.38	272.03	1,289.50	4,798.28
Hull	2,886.22	21.02	397.52	1,884.33	5,189.09
Lynn	45,314.28	151.30	2,861.87	13,566.03	61,893.48
Malden	21,692.89	68.33	1,292.42	6,126.39	29,180.03
Medford	18,292.17	63.54	1,201.94	5,697.49	25,255.14
Melrose	8,909.82	32.98	623.85	2,957.20	12,523.85
Milton	6,312.95	32.17	608.57	2,884.77	9,838.46
Nahant	1,103.25	6.43	121.59	576.35	1,807.62
Needham	4,196.43	19.44	367.80	1,743.49	6,327.16
Newton	28,801.93	138.65	2,622.57	12,431.66	43,994.81
Quincy	26,228.16	111.39	2,106.98	9,987.65	38,434.18
Revere	12,970.40	42.20	798.15	3,783.42	17,594.17
Saugus	4,503.70	12.48	236.13	1,119.32	5,871.63
Somerville	40,693.16	125.72	2,378.00	11,272.34	54,469.22
Stoneham	3,589.62	11.94	225.81	1,070.41	4,897.78
Swampscott	4,913.56	23.04	435.83	2,065.97	7,438.40
Wakefield	6,440.23	24.17	457.24	2,167.46	9,089.10
Waltham	15,753.43	61.50	1,163.24	5,514.08	22,492.25
Watertown	11,783.71	50.18	949.11	4,499.02	17,282.02
Wellesley	5,694.56	34.63	655.01	3,104.90	9,489.10
Weston	1,730.08	9.54	180.48	855.50	2,775.60
Westwood	903.07	4.56	86.30	409.10	1,403.03
Weymouth	7,270.33	26.40	499.45	2,367.53	10,163.71
Winchester	6,393.53	30.12	569.76	2,700.83	9,694.24
Winthrop	7,188.92	24.71	467.45	2,215.82	9,896.90
Woburn	7,455.25	24.24	458.44	2,173.13	10,111.06
	\$932,793.79	\$4,112.57	\$77,989.58	\$368,751.80	\$1,383,647.74

DIVISION OF METROPOLITAN PLANNING.
(Chapter 399, Acts of 1923).

CITIES AND TOWNS	Assessments
Arlington	\$279.84
Belmont	164.34
Boston	12,605.49
Braintree	144.91
Brookline	780.23
Cambridge	1,505.72
Canton	77.62
Chelsea	529.39
Dedham	152.51
Dover	18.90
Everett	514.15
Hingham	85.99
Hull	77.02
Lynn	1,209.23
Malden	578.88
Medford	488.13
Melrose	237.76
Milton	168.46
Nahant	29.44
Needham	111.98
Newton	768.59
Quincy	699.91
Revere	346.12
Saugus	120.18
Somerville	1,085.91
Stoneham	95.79
Swampscott	131.12
Wakefield	171.86
Waltham	420.39
Watertown	314.45
Wellesley	151.96
Weston	46.17
Westwood	24.10
Weymouth	194.01
Winchester	170.61
Winthrop	191.84
Woburn	198.95
	<hr/>
	\$24,891.95

NEPONSET BRIDGE.

Special Assessment.

(Chapter 300, General Acts of 1915.)

Bonds issued, 57½ per cent	\$201,250 00	
Previously assessed	103,500 00	
	<hr/>	
Outstanding	\$97,750 00	
Serial bonds due Jan. 1, 1926		\$11,500 00
Interest:		
One year on \$97,750	\$3,910 00	
Six months on 11,500	230 00	
	<hr/>	
		4,140 00
		<hr/>
		\$15,640 00

Assessment.

	Per Cent.	Serial Bonds	Interest	Total
City of Boston	20	\$4,000.00	\$1,440.00	\$5,440.00
City of Quincy	15	3,000.00	1,080.00	4,080.00
County of Norfolk	5	1,000.00	360.00	1,360.00
County of Plymouth	2½	500.00	180.00	680.00
Bay State Street Railway Company	15	3,000.00	1,080.00	4,080.00
	57½	\$11,500.00	\$4,140.00	\$15,640.00

NEPONSET BRIDGE.

Special Assessment.

(Chapter 300, General Acts of 1915, and Chapter 220, General Acts of 1917.)

Bonds issued, 57½ per cent	\$57,500.00	
Previously assessed	5,750.00	
Outstanding	51,750.00	
Serial bonds due Jan. 1, 1926		\$2,875.00
Interest:		
One year on \$51,750	\$2,070.00	
Six months on 2,875	57.50	
		2,127.50
		\$5,002.50

Assessment.

	Per Cent.	Serial Bonds	Interest	Total
City of Boston	20	\$1,000.00	\$740.00	\$1,740.00
City of Quincy	15	750.00	555.00	1,305.00
County of Norfolk	5	250.00	185.00	435.00
County of Plymouth	2½	125.00	92.50	217.50
Bay State Street Railway Company	15	750.00	555.00	1,305.00
	57½	\$2,875.00	\$2,127.50	\$5,002.50

NEPONSET BRIDGE.

Special Assessment.

(Chapter 238, General Acts of 1919, and Chapter 380, Acts of 1922.)

Bonds issued, 50 per cent	\$225,000.00	
Previously assessed	23,000.00	
Outstanding	\$202,000.00	
Serial bonds due Jan. 1, 1926		\$11,500.00
Interest:		
One year on \$202,000	\$8,080.00	
Six months on 11,500	230.00	
		8,310.00
Less interest on average balance in fund, 50 per cent	2,334.23	
		5,975.77
		\$17,475.77

Assessment.

	Per Cent.	Serial Bonds	Interest	Total
City of Boston	$23\frac{9}{17}$	\$5,411.77	\$2,812.12	\$8,223.89
City of Quincy	$17\frac{11}{17}$	4,058.82	2,109.10	6,167.92
County of Norfolk	$5\frac{15}{17}$	1,352.94	703.03	2,055.97
County of Plymouth	$2\frac{16}{17}$	676.47	351.52	1,027.99
	50	\$11,500.00	\$5,975.77	\$17,475.77

Special assessment to provide for the payment of certain deficiencies incurred in the construction of the Neponset Bridge.
(Item 659, Chapter 211, Acts of 1925.)

	Per Cent.	Assessment
City of Boston	$23\frac{9}{17}$	\$11,764.71
City of Quincy	$17\frac{11}{17}$	8,823.53
County of Norfolk	$5\frac{15}{17}$	2,941.17
County of Plymouth	$2\frac{16}{17}$	1,470.59
	50	\$25,000.00

NEWTON-WESTON BRIDGE.

Special Assessment.

(Chapter 368, Special Acts of 1915.)

Bonds issued, 50 per cent	\$25,000 00
Previously assessed	25,000 00
Interest:	
Six months on \$2,500 matured	
Jan. 1, 1925	\$50 00

Assessment.

	Per Cent.	Interest
City of Newton	25	\$25.00
Town of Weston	10	10 00
County of Middlesex	15	15 00
	50	\$50.00

WELLINGTON BRIDGE.
Special Assessment.
Reconstruction.

(Chapter 276, General Acts of 1915.)

Bonds issued, 57½ per cent	\$66,125 00
Previously assessed	66,125 00
Interest:	
Six months on \$6,612.50, matured Jan. 1, 1925	\$132 25

Assessment.

(Chapter 276, General Acts of 1915.)

	Per Cent.	Interest
Malden	13	\$29.90
Medford	16	36.80
Somerville	11	25.30
Stoneham	2½	5.75
Boston Elevated Railway Company	15	34.50
	57½	\$132.25

Maintenance.

(Chapter 295, General Acts of 1916.)

	Per Cent.	Amount
Malden	15.2941	\$2,515.92
Medford	18.8235	3,096.52
Somerville	12.9412	2,128.86
Stoneham	2.9412	483.84
	50.0000	\$8,225.14

ALEWIFE BROOK.

(Chapter 529 of the Acts of 1906, as amended by chapter 529 of the Acts of 1907 and chapter 458 of the Acts of 1911:)¹

CITIES AND TOWNS	Assessment	Interest	Total	Proportion of Total (Per Cent).
Arlington	\$1,636.79	\$358.09	\$1,994.88	24
Belmont	1,159.39	253.64	1,413.03	17
Cambridge	3,205.37	701.26	3,906.63	47
Somerville	818.39	179.04	997.43	12
	\$6,819.94	\$1,492.03	\$8,311.97	100

¹This table includes the fifteenth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the twelfth assessment and interest under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1925:

Bonds outstanding (sinking fund)	\$6,563,000 00	
Bonds outstanding (serial)	1,443,500 00	
		<hr/>
		\$8,006,500 00

an increase for the year of \$620,500.00.

Sinking fund, April 1, 1925		4,544,335 94
		<hr/>

an increase for the year of \$339,413.00.

Net sewerage, north system, debt, April 1, 1925	3,462,164 06
an increase for the year of \$281,087.00.	

Assessment, North System.

Sinking fund		\$175,061 85
Serial bonds	\$92,000 00	
Less premium	15,204 15	
		<hr/>
		76,795 85

Interest:

One year on \$7,324,000	\$232,895 00	
Six months on 650,000	13,000 00	
Four months on 14,000	186 67	
Interest on advances and temporary loans, estimated, 1925	5,000 00	
		<hr/>
		251,081 67

Adjustment of interest charges in 1924	7,605 03	
Accrued interest	72 22	
		<hr/>
		7,677 25

		243,404 42
Maintenance as appropriated by Legislature	340,200 00	
Less balance on hand	10,366 28	
		<hr/>
		329,833 72

Total north metropolitan sewerage assessment	\$825,095 84
--	--------------

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911.)

Bonds issued	\$62,000 00
Previously assessed	30,000 00
	<hr/>

Outstanding	32,000 00
-------------------	-----------

Assessment for 1925 is made up, as follows:

Serial bonds due Jan. 1, 1926	\$2,000 00
-------------------------------------	------------

Interest:

One year on \$32,000	1,120 00	
Four months on 2,000	23 33	
		<hr/>
		1,143 33
		<hr/>
		\$3,143 33

Everett and Malden, one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914.)

Bonds issued	\$5,500 00	
Previously assessed	5,000 00	
<hr/>		
Outstanding	500 00	
Assessment for 1925 is made up as follows:		
Serial bond due Jan. 1, 1926		\$500 00
Interest:		
One year on \$500.00	20 00	
Four months on 500.00	6 66	
<hr/>		26 66
		<hr/>
		\$526 66

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1925:

Bonds outstanding (sinking fund)	\$8,877,912 00	
Bonds outstanding (serial)	914,000 00	
<hr/>		\$9,791,912 00

a decrease for the year of \$32,000.

Sinking fund, April 1, 1925	2,908,921 82
-----------------------------------	--------------

an increase for the year of \$260,099.79.

Net sewerage, south system, debt, April 1, 1925	\$6,882,990 18
---	----------------

a decrease for the year of \$292,099.79.

Assessment, South System.

Sinking fund	\$154,625 56
Serial bonds	32,000 00

Interest:

One year on \$9,791,912 338,862 36

Interest on advances and temporary loans, estimated,
1925

5,000 00

\$343,862 36

Adjustment of interest charges in 1924 5,392 27

338,470 09

Maintenance as appropriated by Legislature 213,100 00

Less balance on hand 14,310 80

198,789 20

Total south metropolitan sewerage assessment \$723,884 85

METROPOLITAN SEWERAGE LOAN.
North System — Assessment.

CITIES AND TOWNS	Sinking Fund	Serial Bonds	Interest	Maintenance	Total
Arlington	\$7,685.22	\$3,371.34	\$10,685.46	\$9,862.03	\$31,604.05
Belmont	4,604.13	2,019.73	6,401.54	5,673.14	18,698.54
Boston	22,477.94	9,860.59	31,253.13	51,487.04	115,078.70
Cambridge	37,463.24	16,434.31	52,088.55	58,017.75	164,003.85
Chelsea	11,221.46	4,922.61	15,602.22	22,824.49	54,570.78
Everett	11,659.12	5,114.60	16,210.74	21,208.31	54,192.77
Lexington	2,100.74	921.55	2,920.85	2,572.70	8,515.84
Malden	11,484.06	5,037.81	15,967.33	25,957.91	58,447.11
Medford	10,678.77	4,684.55	14,847.67	20,647.59	50,853.58
Melrose	5,549.46	2,434.43	7,715.92	9,631.15	25,330.96
Reading	2,555.90	1,121.22	3,553.70	3,925.02	11,155.84
Revere	7,090.00	3,110.23	9,857.88	15,238.32	35,296.43
Somerville	21,129.97	9,269.26	29,378.91	49,244.18	109,022.32
Stoneham	2,013.21	883.15	2,799.15	4,155.90	9,851.41
Wakefield	4,061.43	1,781.66	5,646.98	6,893.52	18,383.59
Winchester	5,059.29	2,219.40	7,034.39	5,541.21	19,854.29
Winthrop	4,148.97	1,820.06	5,768.68	8,179.88	19,917.59
Woburn	4,078.94	1,789.35	5,671.32	8,773.58	20,313.19
	\$175,061.85	\$76,795.85	\$243,404.42	\$329,833.72	\$825,095.84

1Exclusive of \$3,669.99 special assessments on Everett, Malden and Revere which are included on page 5

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

Bonds Issued and Amounts Already Provided for	Due Dates	Sinking Fund Dec. 1, 1924	Amount of Dec. 1, 1924 Sinking Fund at Maturity of Loan Accumulations Reckoned at 4 Per Cent.	Balance	Portion of Balance to be Provided for this Year	Sinking Fund Requirements for 1925
\$5,330,000 (4,330,625)	Jan., 1930 Sunk	\$4,027,415.31	\$4,909,396.79	\$4,751,228.21	\$178,171.06	\$152,067.28
265,000 (215,312)	Jan., 1930 Sunk	188,851.25	230,212.28	250,099.72	9,378.74	8,004.66
200,000 (153,748)	Jan., 1930 Sunk	146,339.80	178,387.40	175,360.60	8,110.43	6,922.17
250,000 (89,583)	July, 1943 Sunk	50,522.91	105,122.33	234,460.67	7,815.36	3,907.90
50,000 (17,917)	Jan., 1943 Sunk	10,262.30	20,933.92	46,983.08	1,566.10	798.76
55,000 (19,708)	July, 1943 Sunk	13,397.59	27,876.17	46,831.83	1,561.06	780.57
390,000 (67,500)	Jan., 1949 Sunk	35,065.59	90,717.15	276,782.85	4,613.05	1,855.16
113,000 (25,425)	Jan., 1949 Sunk	11,675.28	30,204.77	108,220.23	1,803.67	725.35
\$6,564,000 (4,919,818)	-- Sunk	\$4,483,533.09	\$5,592,850.81	\$5,889,967.19	\$213,019.47	\$175,061.85

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

Bonds Issued	Due Dates	Amount Provided For	Amount to be Provided For	1925
\$5,330,000	1930	1/8+1/6+1/3+15/80	15/80	3/80
265,000	1930	70/240+1/3+15/80	15/80	3/80
200,000	1930	49/240+1/3+555/2400	555/2400	111/2400
300,000	1943	1/8+1/6+2/30	8/30+3/8	1/30
55,000	1943	1/8+1/6+2/30	8/30+3/8	1/30
300,000	1949	1/8+6/60	4/60+1/3+3/8	1/60
113,000	1949	1/8+6/60	4/60+1/3+3/8	1/60

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1925 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS	State Valuation Acts of 1925 Chapter 212	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent.)	Population, U. S. Census 1920	Proportion for Maintenance and Operation (Per Cent.)
Arlington	\$41,875,036	4.39	18,665	2.99
Belmont	25,077,267	2.63	10,749	1.72
Boston:				
Charlestown	122,482,599	12.84	97,323	15.61
East Boston				
Cambridge	204,067,353	21.40	109,694	17.59
Chelsea	61,162,070	6.41	43,184	6.92
Everett	63,574,863	6.66	40,120	6.43
Lexington	11,470,399 ¹	1.20	4,850 ²	0.78
Malden	62,564,379	6.56	49,103	7.87
Medford	58,184,383	6.10	39,038	6.26
Melrose	30,199,728	3.17	18,204	2.92
Reading	13,901,987	1.46	7,439	1.19
Revere	38,637,306	4.05	28,823	4.62
Somerville	115,116,241	12.07	93,091	14.93
Stoneham	10,931,340	1.15	7,873	1.26
Wakefield	22,134,701	2.32	13,025	2.09
Winchester	27,581,674	2.89	10,485	1.68
Winthrop	22,628,616	2.37	15,455	2.48
Woburn	22,192,645	2.33	16,574	2.66
	\$953,782,587	100.00	623,695	100.00

¹ 76.0 per cent. of the town valuation, derived from figures certified by the Board of Assessors.² After deducting 1500. Population of outer area.

METROPOLITAN SEWERAGE LOAN.
South System — Assessment.

CITIES AND TOWNS	Sinking Fund	Serial Bonds	Interest	Maintenance	Total
Boston	\$68,004.32	\$14,073.60	\$148,859.15	\$111,242.44	\$342,179.51
Brookline	23,023.75	4,764.80	50,398.20	15,724.22	93,910.97
Dedham	3,169.82	656.00	6,938.64	4,373.36	15,137.82
Milton	4,530.53	937.60	9,917.17	3,916.15	19,301.45
Newton	19,544.67	4,044.80	42,782.62	19,183.16	85,555.25
Quincy	15,709.96	3,251.20	34,388.56	19,938.56	73,288.28
Waltham	8,674.49	1,795.20	18,988.17	12,881.54	42,339.40
Watertown	7,081.85	1,465.60	15,501.93	8,945.51	32,994.89
Wellesley	4,886.17	1,011.20	10,695.65	2,584.26	19,177.28
	\$154,625.56	\$32,000.00	\$338,470.09	\$198,789.20	\$723,884.85

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

Bonds Issued and Amounts Already Provided for	Due Dates	Sinking Fund Dec. 1, 1924	Amount Dec. 1, 1924 Sinking Fund at Maturity of Loan. Accumulations Reckoned at 4 Per Cent.	Balance	Portion of Balance to be Provided for this Year	Sinking Fund Requirements for 1925
\$800,000 (650,000)	Jan., 1930 Sunk	\$605,742.17	\$738,396.32	\$711,603.68	\$26,685.14	\$22,775.51
839,000 (524,375)	Mar., 1935 Sunk	404,552.87	601,144.28	762,230.72	28,583.65	20,013.11
65,000 (38,458)	Mar., 1936 Sunk	28,552.43	44,141.48	59,316.52	1,977.22	1,330.61
1,024,912 (503,915)	July, 1939 Sunk	330,772.26	587,400.16	941,426.84	31,380.89	18,384.87
3,586,000 (1,643,583)	July, 1940 Sunk	1,032,965.47	1,908,495.43	3,321,087.57	110,702.92	62,338.18
996,000 (356,900)	Jan., 1943 Sunk	204,788.60	417,745.67	935,154.33	31,171.81	15,898.50
292,000 (127,400)	July, 1944 Sunk	68,648.59	148,606.67	370,793.33	12,359.78	5,940.25
175,000 (48,125)	Jan., 1946 Sunk	32,970.46	75,741.21	147,383.79	2,456.40	1,112.48
1,000,000 (275,000)	Jan., 1946 Sunk	161,007.83	369,874.34	905,125.66	15,085.43	6,832.05
\$8,877,912 (4,167,756)	— Sunk	\$2,870,000.68	\$4,891,545.56	\$8,154,122.44	\$260,403.24	\$154,625.56

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.
Amounts provided for and to be provided for.

BONDS ISSUED	Due Dates	Amount Provided For	Amount to be Provided For	1925
\$800,000	1930	1/8+1/6+1/3+15/80	15/80	3/80
839,000	1935	1/8+1/6+1/3	3/8	3/80
65,000	1936	1/8+1/6+9/30	1/30+3/8	1/30
1,024,912	1939	1/8+1/6+6/30	4/30+3/8	1/30
3,586,000	1940	1/8+1/6+5/30	5/30+3/8	1/30
996,000	1943	1/8+1/6+2/30	8/30+3/8	1/30
392,000	1944	1/8+1/6+1/30	9/30+3/8	1/30
175,000	1946	1/8+9/60	1/60+1/3+3/8	1/60
1,000,000	1946	1/8+9/60	1/60+1/3+3/8	1/60

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the basis of the Valuations of 1925 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS	State Valuation Acts of 1925, Chapter 212	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent.)	Population, U. S. Census 1920	Proportion for Maintenance and Operation (Per Cent.)
Boston	\$441,644,788	43.98	267,093	55.96
Brighton	97,907,307		42,102	
Back Bay	102,202,995		25,811	
Roxbury	58,264,077		53,515	
West Roxbury	64,131,711		42,534	
Dorchester	95,544,567		84,922	
Hyde Park	23,594,131		18,209	
Brookline	149,521,993	14.89	37,748	7.91
Dedham	20,534,210 ¹	2.05	10,497 ²	2.20
Milton	29,460,067	2.93	9,382	1.97
Newton	126,955,555	12.64	46,054	9.65
Quincy	101,996,678	10.16	47,876	10.03
Waltham	56,311,341	5.61	30,915	6.48
Watertown	45,945,293	4.58	21,457	4.50
Wellesley	31,708,106	3.16	6,224	1.30
	\$1,004,078,031	100.00	477,246	100.00

¹ 95.9 per cent. of the town valuation, derived from figures certified by the Chairman of the Board of Assessors.

² After deducting 295. Population of outer area.

METROPOLITAN PARKS AND SEWERAGE LOANS.
Comparison of Assessments, 1924 and 1925.

CITIES AND TOWNS	PARKS		SEWER	
	1924	1925	1924	1925
Arlington	\$19,589.09	\$24,176.31	\$25,182.95	\$31,604.05
Belmont	12,697.61	14,571.59	15,965.93	18,698.54
Boston	1,020,906.53	1,084,358.69	474,399.88	457,258.21
Braintree	8,844.74	10,914.49	—	—
Brookline	63,525.90	70,776.99	98,976.16	93,910.97
Cambridge	111,863.10	117,464.49	154,258.49	164,003.85
Canton	5,334.90	5,672.30	—	—
Chelsea	32,466.15	37,040.09	47,973.43	54,570.78
Cohasset	226.22	258.71	—	—
Dedham	10,704.52	11,700.90	16,141.72	15,137.82
Dover	1,770.68	1,743.83	—	—
Everett	34,253.39	37,111.29	51,373.19	55,764.44
Hingham	5,940.32	6,898.06	—	—
Hull	6,890.15	8,208.84	—	—
Lexington	—	—	7,091.89	8,515.84
Lynn	81,945.23	84,288.62	—	—
Malden	40,663.01	41,872.22	55,890.01	60,018.77
Medford	35,022.42	37,774.30	44,386.58	50,858.58
Melrose	15,727.04	17,379.82	22,848.59	25,330.96
Milton	13,337.82	14,512.03	20,841.60	19,301.45
Nahant	2,706.25	2,737.14	—	—
Needham	7,473.29	9,161.93	—	—
Newton	59,675.95	64,202.77	91,177.10	85,555.25
Quincy	53,102.04	75,108.14	65,683.75	73,288.28
Reading	—	—	9,798.90	11,155.84
Revere	21,318.77	23,848.80	32,124.60	35,823.09
Saugus	7,076.98	7,739.83	—	—
Somerville	73,281.53	76,310.59	102,039.97	109,022.32
Stoneham	6,641.38	7,154.80	8,700.20	9,851.41
Swampscott	10,029.91	10,795.93	—	—
Wakefield	10,760.06	12,645.85	15,686.36	18,383.59
Waltham	29,330.69	31,523.91	46,020.42	42,339.40
Watertown	20,729.80	24,622.53	32,500.60	32,994.89
Wellesley	10,931.92	14,489.95	17,027.97	19,177.28
Weston	4,057.24	4,167.81	—	—
Westwood	1,765.65	2,066.01	—	—
Weymouth	11,713.50	14,055.07	—	—
Winchester	14,562.58	14,082.71	20,153.59	19,854.29
Winthrop	12,935.29	13,549.16	18,858.18	19,917.59
Woburn	12,698.57	13,703.75	18,724.07	20,313.19
	\$1,892,506.22	\$2,048,690.25	\$1,513,827.13	\$1,552,650.68

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1925:

Bonds outstanding (sinking fund) \$4,125,000 00

Bonds outstanding (serial) 243,000 00

\$4,368,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1925 1,578,247 13

an increase for the year of \$94,149.97.

Net Charles River Basin debt, April 1, 1925 \$2,789,752 87

a decrease for the year of \$104,149.97.

Total Charles River Basin Assessment for 1925 — District.

Serial Bonds		\$10,000 00
Interest:		
One year on \$4,125,000	\$142,250 00	
Six months on 253,000	4,570 00	
Six months on 243,000	4,390 00	
Interest on advances and temporary loans, estimated 1925	3,000 00	
		\$154,210 00
Adjustment of interest charges in 1924	2,201 62	
Interest on bridge	41,381 82	
		43,583 44
		110,626 56
Maintenance as appropriated by Legislature	208,500 00	
Less balance on hand	5,668 56	
		202,831 44
Total Charles River Basin district assessment		\$323,458 00
<i>Charles River Bridge.</i>		
Sinking fund		\$ 8,390 75
Interest		41,381 82
		\$49,772 57

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.
District.

BONDS ISSUED	Due Date	Sinking Fund Dec. 1, 1924	Amount Dec. 1, 1924 Sinking Fund at Maturity of Loan. Accumulations reckoned at 4 Per Cent.	Balance to be provided for	Sinking Fund Requirements for 1925
\$177,272.73	Jan., 1944	\$234,034.69	\$496,691.53	—	—
283,636.36	Jan., 1945	401,445.42	886,407.40	—	—
425,454.55	Jan., 1946	388,783.96	893,131.79	—	—
815,454.55	Jan., 1947	501,351.03	1,198,255.59	—	—
283,636.36	Jan., 1948	122,792.08	305,336.17	—	—
602,727.28	Jan., 1949	154,558.30	399,853.20	—	—
336,818.17	Jan., 1950	19,902.40	53,569.06	—	—
\$2,925,000.00	—	\$1,822,867.88 ¹	\$4,233,244.74	—	—

Boston and Cambridge, Charles River Bridge.

\$72,727.27	Jan., 1944	\$31,627.93	\$67,123.92	\$5,603.35	\$201.71
116,363.64	Jan., 1945	50,686.97	111,918.84	4,444.80	148.65
174,545.45	Jan., 1946	63,228.79	145,251.99	29,293.46	912.28
334,545.45	Jan., 1947	104,863.04	250,628.23	83,917.22	2,438.94
116,363.64	Jan., 1948	32,510.90	80,841.97	35,521.67	965.33
247,272.72	Jan., 1949	60,835.69	157,386.21	89,886.51	2,288.12
138,181.83	Jan., 1950	29,004.04	78,066.93	60,114.90	1,435.72
\$1,200,000.00	—	\$372,757.36	\$891,218.09	\$308,781.91	\$8,390.75

¹ Includes \$638,494.93, balance of cost of embankment which is due from City of Boston.

ANALYSIS OF CHARLES RIVER BASIN DEBT, JULY 1, 1925.

DEBT	Total	Cambridge, Charles River Bridge	Boston, Charles River Bridge	Boston Embank- ment	District
Gross Debt.....	\$4,368,000.00	\$600,000.00	\$600,000.00	\$847,636.43	\$2,320,363.57
Sinking Fund	1,585,426.18	189,765.51	189,765.52	209,141.50	996,753.65
	\$2,782,573.82	\$410,234.49	\$410,234.48	\$638,494.93	\$1,323,609.92

CHARLES RIVER BASIN LOAN — ASSESSMENT.

For Table of percentages see page 14.

CITIES AND TOWNS	Serial Bonds	Interest	Maintenance	Total
Arlington	\$111.20	\$1,230.15	\$2,255.45	\$3,596.80
Belmont	66.59	736.69	1,350.70	2,153.98
Boston	5,574.22	61,665.61	113,062.59	180,302.42
Braintree	52.01	575.40	1,054.98	1,682.39
Brookline	397.05	4,392.46	8,053.48	12,842.99
Cambridge	541.90	5,994.82	10,991.37	17,528.09
Canton	26.17	289.47	530.73	846.37
Chelsea	162.42	1,796.74	3,294.28	5,253.44
Dedham	56.83	628.65	1,152.61	1,838.09
Dover	9.90	109.57	200.90	320.37
Everett	168.82	1,867.62	3,424.24	5,460.68
Hingham	34.97	386.85	709.29	1,131.11
Hull	51.10	565.30	1,036.47	1,652.87
Lynn	367.89	4,069.85	7,461.98	11,899.72
Malden	166.14	1,837.93	3,369.81	5,373.88
Medford	154.51	1,709.26	3,133.90	4,997.67
Melrose	80.19	887.17	1,626.60	2,593.96
Milton	78.23	865.44	1,586.76	2,530.43
Nahant	15.63	172.91	317.02	505.56
Needham	47.28	523.05	959.00	1,529.33
Newton	337.13	3,729.53	6,838.02	10,904.68
Quincy	270.85	2,996.32	5,493.69	8,760.86
Revere	102.60	1,135.04	2,081.06	3,318.70
Saugus	30.35	335.80	615.68	981.83
Somerville	305.69	3,381.73	6,200.33	9,887.75
Stonham	29.03	321.13	588.78	938.91
Swampscott	56.03	619.80	1,136.39	1,812.22
Wakefield	58.78	650.24	1,192.21	1,901.23
Waltham	149.53	1,651.21	3,033.01	4,836.78
Watertown	122.01	1,349.72	2,474.68	3,946.41
Wellesley	84.20	931.48	1,707.85	2,723.53
Weston	23.20	256.65	470.57	750.42
Westwood	11.09	122.73	225.02	358.84
Weymouth	64.20	710.26	1,302.26	2,076.72
Winchester	73.24	810.26	1,485.59	2,369.09
Winthrop	60.09	664.75	1,218.81	1,943.65
Woburn	58.93	651.94	1,195.33	1,906.20
	\$10,000.00	\$110,626.56	\$202,831.44	\$323,458.00

1 Exclusive of \$49,772.57, special assessments on Boston and Cambridge, and \$25,539.80, embankment interests on Boston which are included on page 5.

	Metropolitan Parks	Metropolitan Parks, Nantasket	Metropolitan Parks, Boulevards	Metropolitan Sewerage, North System	Metropolitan Sewerage, South System	Metropolitan Water	Charles River Basin	
Bonds outstanding (Sinking Fund)	\$8,785,000.00	\$700,000.00	\$2,567,500.00	\$6,563,000.00	\$8,877,912.00	\$41,298,000.00	\$4,125,000.00	
Bonds outstanding (Serial)	103,750.00	—	1,519,750.00	1,443,500.00	914,000.00	3,776,000.00	243,000.00	TOTAL
Gross Debt,	\$8,888,750.00	\$700,000.00	\$4,117,250.00	\$8,006,500.00	\$9,791,912.00	\$45,174,000.00	\$4,368,000.00	
Sinking funds, July 1, 1925	4,867,526.94	367,156.91	1,329,703.92	4,568,082.13	2,922,153.77	21,854,340.70	1,585,426.18	
Net Debt	\$4,021,223.06	\$332,843.09	\$2,787,481.08	\$3,441,417.87	\$6,869,758.23	\$23,319,659.30	\$2,782,573.82	
	For Percentages	For Percentages	For Percentages	For Percentages	For Percentages	For Percentages	For Percentages	
1 Arlington	See Page 14	See Page 16	See Page 14	See Page 29	See Page 31	See Page 8	See Page 13	1
2 Belmont	\$4,741.34	\$3,691.76	\$27,087.71	\$149,651.54	\$1,418.42	\$280,838.66	\$1,418.42	2
3 Boston	26,778.21	2,210.85	16,221.73	89,654.50	8,814.21	176,180.03	8,814.21	3
4 Braintree	2,241,515.86	185,062.60	1,504,926.80	437,705.05	3,021,319.67	16,010,951.60	1,786,537.93	4
5 Brookline	20,915.35	1,726.80	12,670.13	17,260.05	1,022,907.00	859,982.40	6,884.41	5
6 Cambridge	159,663.78	13,182.06	96,721.30	729,508.42			52,554.40	6
7 Canton	217,908.84	17,990.85	132,005.07				481,960.51	7
8 Chelsea	10,522.00	868.71	6,374.03				3,403.38	8
9 Cohasset	65,310.57	5,392.13	39,563.91	218,511.64		584,717.14	21,497.37	9
10 Dedham	22,850.96	1,886.61	13,842.68		140,830.04		7,521.53	10
11 Dover	3,982.93	328.84	2,412.78				1,311.01	11
12 Everett	67,887.02	5,601.85	41,124.68	243,033.93		706,422.44	22,348.42	12
13 Hingham	14,061.90	1,160.97	8,518.43				4,628.56	13
14 Hull	20,548.53	1,696.51	12,447.91				6,763.67	14
15 Lexington	147,936.99	12,213.88	89,617.44	40,907.01		94,817.73	133,724.71	15
16 Lynn	66,808.00	5,515.76	40,471.03				286,462.67	16
17 Malden	62,130.92	5,129.61	37,637.74	239,625.01		513,265.70	21,990.26	17
18 Medford	32,248.12	2,662.45	19,535.30	207,943.99		454,080.41	787,373.41	18
19 Merrose	31,438.29	2,597.24	19,056.84	108,062.70		10,614.66	405,247.12	19
20 Milton	6,285.04	518.90	3,807.36		201,283.92	10,354.09	405,345.21	20
21 Nahant	19,012.67	1,569.71	11,517.52			37,241.50	49,921.56	21
22 Needham	135,566.70	11,922.57	82,123.75				2,068.76	22
23 Newton	108,914.91	8,992.16	176,272.72		868,337.44	65,038.53	1,206,881.39	23
24 Quincy					697,967.44	806,230.58	1,834,227.81	24
25 Reading				49,770.20			35,850.00	25
26 Revere	41,258.00	3,406.32	24,983.32	138,561.17		387,059.70	49,770.20	26
27 Saugus	122,964.12	1,007.75	7,394.24				608,858.83	27
28 Somerville	122,921.35	10,148.80	74,465.23	411,456.39		1,236,574.93	24,625.83	28
29 Stoneham	22,529.36	963.72	7,071.16	39,202.56		40,461.29	1,895,980.99	29
30 Swampscott	22,529.36	1,860.05	13,647.86			3,842.17	162,513.90	30
31 Wakefield	63,636.06	1,951.42	14,318.28			7,415.67	189,498.47	31
32 Waltham	60,130.83	4,964.48	36,126.12			7,779.95	126,172.60	32
33 Watertown	49,061.67	4,050.60	29,720.64			19,792.43	506,107.30	33
34 Weymouth	33,858.80	2,795.43	20,511.03			16,148.95	222,339.19	34
35 Weston	9,329.25	770.24	5,651.48			11,144.83	258,394.45	35
36 Westwood	4,461.20	368.32	2,702.51			3,070.78	18,821.75	36
37 Weymouth	25,817.82	2,131.55	15,639.95			1,468.43	9,060.46	37
38 Weymouth	29,452.48	2,431.64	17,841.76			8,498.09	32,087.41	38
39 Winthrop	24,163.47	1,994.97	14,637.77			9,691.46	157,938.07	39
40 Woburn	23,697.93	1,956.53	14,357.76			7,953.55	310,781.50	40
							7,800.32	
	\$4,021,223.06	\$332,843.09	\$2,693,334.02	\$3,441,417.87	\$6,869,758.23	\$23,319,659.30	\$2,782,573.82	\$43,460,809.39

1 See Page 31 for details.

2 District proportion.

3 Exclusive of \$91,147.06, share of certain counties and street railway.

INDEX

	PAGE
A.	
Alewife Brook	25
B.	
Boston and Cambridge, Charles River Bridge	33
Boulevards. See "Metropolitan Parks Loan."	
Brookline, Assessment for payment to	9
C.	
Charles River Basin Debt, Analysis of	34
Charles River Basin Loan:—	
Assessment, how made up	33
Debt, Gross and Net	33
Division of Assessment into Interest, Maintenance and Serial Bonds	
Requirements	34
Proportion in Percentages	14
Sinking Fund, Charles River Bridge	33
Sinking Fund, District	33
Charles River Bridge, Boston and Cambridge	33
Counties, Assessments on	7
D.	
Debts of the Metropolitan District for 1925	35
E.	
Everett and Malden, Special Assessment	27
M.	
Malden and Everett, Special Assessment	27
Metropolitan Districts, Statement of the Debts of, for 1925	35
Metropolitan Districts, Total Assessments for	5
Metropolitan Parks Loan:—	
Assessment, how made up	11, 12
Debt, Gross and Net	11
Division of Assessment into Sinking Fund, Interest, Maintenance	
and Serial Bonds Requirements	13
Interest Requirements, Boulevards	20
Interest Requirements, Nantasket	20
Interest Requirements, Parks	20
Maintenance Requirements, Boulevards	21
Maintenance Requirements, Nantasket	21
Maintenance Requirements, Parks	21
Maintenance Requirements, Wellington Bridge	21
Neponset Bridge, Special Assessments	22, 23, 24
Newton-Weston Bridge, Special Assessment	24
Planning Division	22
Proportion in Percentages to be paid annually	14, 15, 16
Serial Bonds Requirements, Boulevards	19
Serial Bonds Requirements, Parks	19
Sinking Fund (Boulevards), Series 2	17
Sinking Fund, Nantasket	17
Sinking Fund, Parks	17
Sinking Fund Requirements, Boulevards	18
Sinking Fund Requirements, Nantasket	18
Sinking Fund Requirements, Parks	18
Wellington Bridge, Special Assessments	25
Metropolitan Parks and Sewerage Loans, Comparison of 1924 and 1925	
Assessments	32

Metropolitan Planning Division	22
Metropolitan Sewerage Loan, North System:—	
Amounts provided for and to be provided for	29
Assessments, how made up	26
Debt, Gross and Net	26
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	28
Everett and Malden, Special Assessment	27
Proportion in Percentages to be paid annually	29
Revere, Special Assessment	27
Sinking Fund	28
Metropolitan Sewerage Loan, South System:—	
Amounts provided for and to be provided for	31
Assessment, how made up	27
Debt, Gross and Net	27
Division of Assessment in to Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	30
Proportion in Percentages to be paid annually	31
Sinking Fund	30
Metropolitan Water Loan:—	
Assessment, how made up	7
Brookline, Assessment for payment to	9
Comparison of Total 1924 and 1925 Assessments	10
Computations for Determining Assessment	8
Debt, Gross and Net	7
Division of Assessment into Sinking Fund, Interest, Maintenance and Serial Bonds Requirements	9
Sinking Fund	8
N.	
Nantasket. See "Metropolitan Parks Loan."	
Neponset Bridge	22, 23, 24
Newton-Weston Bridge	24
Net Water Debt of Cities in Original Metropolitan Water District	10
P.	
Parks Loan. See "Metropolitan Parks Loan."	
R.	
Revenue from Water received by Cities and Towns, 1924	10
Revere, Special Assessment	27
S.	
Sewerage Loan. See "Metropolitan Sewerage Loan, North System"; "Metropolitan Sewerage Loan, South System."	
Special Metropolitan District Assessments	6
Street Railways, Assessments on	7
T.	
Total Assessments for Metropolitan Districts	5
W.	
Water Debt, Net, of Cities in Original Metropolitan Water District	10
Water Loan. See "Metropolitan Water Loan"	
Water Revenue received by Cities and Towns in 1924	10
Wellington Bridge:—	
Interest, Special Assessment	25
Maintenance, District Assessment	21
Maintenance, Special Assessment	25



The Commonwealth of Massachusetts

1926

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL BONDS
AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE

TREASURER AND RECEIVER-GENERAL



THE COMMONWEALTH OF MASSACHUSETTS

TREASURY DEPARTMENT, Sept. 1, 1926.

Under the provisions of section 11 of chapter 10 of the General Laws the following computations for annual assessments for interest, sinking funds, serial bond payments and maintenance for 1926, to be paid by the cities and towns comprising the metropolitan districts, are compiled and printed as a public document and herewith submitted.

There was issued during the year 1926 on account of the metropolitan district, bonds to the amount of \$675,000. bearing interest at the rate of 4 per cent. as follows:—

Metropolitan Parks, Series Two, Loan.

\$675,000. Chapter 365, Acts of 1923, providing for the completion by the Metropolitan District Commission of the Old Colony boulevard, so-called. Fifty per cent of the annual serial bonds and interest requirements shall be assessed upon and paid by the cities and towns of the metropolitan parks district and fifty per cent by the Commonwealth.

The following sections of chapter 92 of the General Laws show the manner of computing the proportions in which the cities and towns of the several metropolitan districts shall annually pay money into the treasury of the Commonwealth to meet the assessments against said districts:—

Metropolitan Sewer.

SECTION 5. The proportions in which each of the towns belonging in whole or in part to the north metropolitan and south metropolitan sewerage districts, respectively, shall annually pay money to the commonwealth to meet interest and sinking fund requirements for each year, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective taxable valuations of the property of said towns, as last established by the general court as a basis of apportionment for state and county taxes.

SECTION 6. The proportions in which each of the towns belonging in whole or in part to either sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the respective sewerage systems, as estimated by the commission and certified by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective populations of said towns as ascertained by the last preceding state or national census. If less than the whole area of any town is included in either of said metropolitan sewerage systems, the valuation and population only of that part of the town included in either of said systems, as determined by the commission, shall be used as a basis in determining the proportion and amount which it shall pay as its share of interest and sinking fund requirements and of the cost of maintenance and operation of works as required by this and the preceding section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system, shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such system; and shall transmit its determinations to the state treasurer.

Metropolitan Water.

SECTION 26. The state treasurer, for the purpose of making the apportionment to the towns in the metropolitan water district of the amount required in each year to pay the interest, sinking fund requirements and expenses of maintenance and operation of the metropolitan water system, shall, in each year, apportion such amount to the towns in said district, one third in proportion to their valuations for the preceding year and the remaining two thirds in propor-

tion to their consumption, in said year, of water received from all sources of supply as determined by the commission and certified to said treasurer; provided, that there shall be included in reckoning such proportion only one fifth of the total valuation, and nothing for consumption of water, for any town which has not reached the safe capacity of its present sources of supply or of the sources of supply of the water company by which it is supplied, determined as aforesaid, or which has not made application to said commission for water; and provided, further, that any town assessed upon its full valuation which obtains a part of its water supply from its own works or receives a supply from a water company shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid, as determined by said commission and certified to said treasurer. The state treasurer shall annually notify each town of the amount of its assessment, and the same shall be paid by the town to the commonwealth at the time required for the payment of and as part of its state tax. . . .

Metropolitan Parks.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. The proportion in which each town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any town by adding together the percentage which the valuation of the same bears to the total valuation of the towns of the district and the percentage which the population of the same bears to the total population of the towns of the district, and dividing this sum by two.

SECTION 56. The proportion in which each town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable valuations of the property of said towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the towns of the state as a part of the annual state tax.

SECTION 57. The commission shall annually, in accordance with the provisions of the three preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determination of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid

by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 59. For the purposes of the five preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

WILLIAM S. YOUNGMAN,
Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1936.

CITIES AND TOWNS	Metropolitan Water	Metropolitan Parks and Boulevards	Metropolitan Sewerage, North and South Systems	Charles River Basin	Total
Arlington	\$40,305 60	\$34,057 93	\$35,026 50n	\$3,609 76	\$112,999 79
Belmont	26,040 58	20,694 14	21,117 08n	2,161 73	70,013 53
Boston	2,090,598 07	1,687,954 89	{ 117,117 34n 347,787 36s }	232,286 52	4,475,744 18
Braintree	—	15,436 51	—	1,688 43	17,124 94
Brookline	114,483 68	102,157 03	97,153 62s	12,889 20	326,683 53
Cambridge	—	376,932 20	169,756 51n	43,386 72	590,075 43
Canton	—	7,565 46	—	849 41	8,414 87
Chelsea	76,531 95	49,837 28	56,185 00n	5,272 34	187,826 57
Cohasset	—	273 37	—	—	273 37
Dedham	—	16,731 07	15,957 03s	1,844 70	34,532 80
Dover	—	2,542 78	—	321 52	2,864 30
Everett	102,769 73	49,901 17	56,634 82n	5,480 32	214,786 04
Hingham	—	9,645 46	—	1,135 18	10,780 64
Hull	—	12,379 75	—	1,658 83	14,038 58
Lexington	13,140 45	—	8,705 81n	—	21,846 26
Lynn	—	111,823 36	—	11,942 52	123,765 88
Malden	68,284 13	56,509 15	60,646 93n	5,393 22	190,833 43
Medford	61,179 35	53,790 05	54,696 60n	5,015 65	174,681 65
Melrose	30,230 74	23,752 91	26,278 73n	2,603 30	82,865 68
Milton	19,739 94	21,330 82	20,713 59s	2,539 54	64,323 89
Nahant	4,489 01	4,007 78	—	507 38	9,004 17
Needham	—	13,217 27	12,995 02s	1,534 84	27,747 13
Newton	8,839 39	91,269 22	88,432 52s	10,943 91	199,485 04
Quincy	110,385 95	92,338 10	77,273 97s	8,792 39	288,790 41
Reading	—	—	11,829 64n	—	11,829 64
Revere	51,141 48	32,405 85	37,084 74n	3,330 61	123,962 71
Saugus	—	10,371 63	—	985 36	11,356 99
Somerville	162,676 64	101,388 80	110,474 00n	9,923 33	384,462 77
Stonham	12,884 74	9,963 71	10,373 46n	942 32	34,164 23
Swampscott	19,012 84	15,206 80	—	1,818 74	36,038 38
Wakefield	—	17,634 18	19,628 68n	1,908 07	39,170 93
Waltham	—	43,519 12	43,234 22s	4,854 18	91,607 52
Watertown	43,784 04	102,141 23	34,267 27s	3,860 61	184,153 15
Wellesley	—	21,663 20	20,599 86s	2,733 33	44,996 39
Weston	—	6,080 48	—	753 12	6,833 60
Westwood	—	2,993 13	—	860 13	3,853 26
Weymouth	—	19,316 25	—	2,084 19	21,400 44
Winchester	—	19,842 11	20,792 47n	2,377 61	43,012 19
Winthrop	24,478 53	18,081 34	20,152 56n	1,950 64	61,663 07
Woburn	—	18,414 87	20,971 03n	1,913 06	41,298 96
	\$3,080,996 84 ¹	\$3,293,170 40 ²	\$1,615,886 36 ³	\$401,752 74 ⁴	\$8,391,806 34

n North System.

s South System.

¹ Includes \$81,941.66 special assessment for study of water supply sources.

² Includes \$56,438.03 special assessments for Alewife Brook, Neponset Bridge and Wellington Bridge; \$42,316.31, Division of Metropolitan Planning and \$949,271.62 cost of construction of certain bridges over the Charles River.

³ Includes \$3,073.34, special assessments on Everett and Malden.

⁴ Includes \$51,591.12 special assessments on Boston and Cambridge, and \$25,539.80, embankment interest on Boston.

Special Metropolitan Districts Assessments for 1926.

CITIES AND TOWNS	Alewife Brook	Neponset Bridge, Serial Bonds and Interest	Wellington Bridge, Maintenance	Metropolitan Sewerage	Charles River Basin, Bridge Sinking Fund and Interest	Charles River Embankment, Interest	Construction of Certain Bridges over the Charles River	Neponset Bridge, Deficiency	Study of Water Supply Needs	Totals
Arlington										
Belmont	\$1,937 59	—	—	—	—	—	—	—	\$1,111 21	\$3,048 80
Boston	1,372 46	—	—	—	—	—	—	—	717 93	2,090 39
Brookline	—	\$15,818 63	—	—	\$25,795 56	\$25,539 80	\$410,846 71	\$3,235 21	57,636 82	538,872 73
Cambridge	—	—	—	—	—	—	—	—	3,156 26	3,156 26
Chelsea	3,794 43	—	—	—	25,795 56	—	238,978 53	—	—	268,568 52
Everett	—	—	—	—	—	—	—	—	2,109 95	2,109 95
Lexington	—	—	—	—	—	—	—	—	2,833 31	2,833 31
Malden	—	—	—	—	\$1,536 67n	—	—	—	362 28	4,369 98
Medford	—	—	\$4,594 52	—	1,536 67n	—	—	—	—	362 28
Melrose	—	—	5,654 79	—	—	—	—	—	1,882 56	8,013 75
Milton	—	—	—	—	—	—	—	—	1,086 69	7,341 48
Nahant	—	—	—	—	—	—	—	—	833 45	833 45
Newton	—	—	—	—	—	—	—	—	544 22	544 22
Quincy	—	11,863 96	—	—	—	—	—	—	123 76	123 76
Revere	—	—	—	—	—	—	—	—	243 70	243 70
Somerville	968 79	—	—	—	—	—	—	2,426 40	3,043 29	17,333 65
Stonham	—	—	3,887 68	—	—	—	—	—	1,409 95	1,409 95
Swampscott	—	—	883 57	—	—	—	—	—	4,484 92	9,341 39
Watertown	—	—	—	—	—	—	—	—	355 23	1,238 80
Winthrop	—	—	—	—	—	—	67,408 87	—	324 17	324 17
	\$8,073 27 ¹	\$27,682 59 ²	\$15,020 56 ³	\$3,073 34 ⁴	\$51,591 12	\$25,539 80	\$717,234 11 ⁵	\$5,661 61 ⁶	\$84,941 66 ⁷	\$938,818 06

¹ Sixteenth assessment under chapter 529, Acts of 1907 (total assessments, 20) and thirteenth assessment under chapter 458, Acts of 1911 (total assessments, 20).

² Eleventh assessment under chapter 300, General Acts of 1915 (total assessments, 18) and fourth assessment under chapter 220, General Acts of 1917 and chapter 380, Acts of 1922 (total assessments, 20).

³ Eleventh assessment under chapter 295, General Acts of 1916.

⁴ Fifteenth assessment under chapter 512, Acts of 1911 (total assessments, 20).

⁵ See page 23 for details.

⁶ See item 600, chapter 79, Acts of 1926.

⁷ See chapter 491, Acts of 1924.

Assessments on Counties and Street Railways for 1926.

	Neponset Bridge, Serial Bonds and Interest	Neponset Bridge, Deficiency	Construction of Certain Bridges over the Charles River	Total
Middlesex County	—	—	\$37,674 28	\$37,674 28
Norfolk County	\$3,954 65	\$808 80	—	4,763 45
Plymouth County	1,977 33	404 40	—	2,381 73
Bay State Street Railway Company	5,235 00	—	—	5,235 00
Boston Elevated Railway Company	—	—	37,674 27	37,674 27
	<u>\$11,166 98¹</u>	<u>\$1,213 20²</u>	<u>\$75,348 55³</u>	<u>\$87,728 73</u>

¹ Eleventh assessment under chapter 300, General Acts 1915, (total assessments, 18) and fourth assessments under chapter 220, General Acts of 1917 and chapter 380, Acts of 1922 (total assessments, 20).

² Assessment under Item 660, chapter 79, Acts of 1926.

³ For details see page 23.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1926.

Gross water debt, April 1, 1926:

Bonds outstanding (sinking fund)	\$41,398,000 00	
Bonds outstanding (serial)	3,661,000 00	
	<u> </u>	\$45,059,000 00

a decrease for the year of \$115,000.

Sinking fund, April 1, 1926 22,837,916 98

an increase for the year of \$1,109,966.15.

Net Water debt, April 1, 1926 \$22,221,083 02

a decrease for the year of \$1,224,966.15.

Total Water Assessments for 1926.

Sinking Fund requirements	\$174,690 56
Serial Bonds	115,000 00
Interest:	
One year on \$41,398,000	\$1,393,435 00
Six months on 3,776,000	75,075 00
Six months on 3,661,000	72,791 25
Interest on advances and temporary loans, estimated, 1926	20,000 00
	<u>\$1,561,301 25</u>
Adjustment of interest charges in 1925	7,438 62
	<u>1,553,862 63</u>
Maintenance as appropriated by Legislature	\$802,445 00
Less balance on hand	32,646 55
	<u>769,798 45</u>
Credit to Brookline for water furnished	82,703 54
Metropolitan Water construction appropriation, 1926	300,000 00
	<u>82,996,055 18</u>
Total Metropolitan Water assessment	\$2,996,055 18

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED	Due Dates	Sinking Fund Dec. 1, 1925	Amount of Dec. 1, 1925 Sinking Fund at Ma- turity of Loan. Accumulations reckoned at 4 Per Cent	Balance to be provided for	Sinking Fund Requirements for 1926
\$13,000,000	July, 1935	\$8,787,592 38	\$12,801,862 68	\$198,137 32	\$18,691 93
4,000,000	Jan., 1938	2,371,772 99	3,814,848 00	185,152 00	12,294 02
4,000,000	July, 1939	2,163,488 50	3,692,829 23	307,170 77	18,427 93
10,000,000	Jan., 1941	4,876,786 01	8,833,622 76	1,166,377 24	58,077 24
3,500,000	Jan., 1942	1,621,572 03	3,055,918 28	444,081 72	20,282 73
2,000,000	Jan., 1943	859,881 08	1,685,948 21	314,051 79	13,207 05
2,000,000	Jan., 1944	805,587 94	1,643,308 62	356,691 38	13,857 59
650,000	Jan., 1945	272,037 99	577,388 34	72,611 66	2,613 84
1,350,000	Jan., 1946	482,648 55	1,065,707 13	284,292 87	9,507 50
398,000	Jan., 1949	111,795 14	277,991 05	120,008 95	3,261 35
500,000	Jan., 1950	125,402 61	324,425 37	175,574 63	4,469 38
\$41,398,000	- -	\$22,478,585 22	\$37,773,849 67	\$3,624,150 33	\$174,690 56

Computations for determining the Assessment for 1926. (See Section 26 of Chapter 92, General Laws.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS	Valuation 1925	Average Daily Con- sumption (Gallons), 1925	RATIO OF TOTALS		Average Ratio, Double Weight to Consumption
			Valuation	Consumption	
Arlington . . .	\$42,296,187	1,576,400	.015437	.011905	.013082
Belmont . . .	26,124,560	1,047,600	.009535	.007911	.008452
Boston . . .	1,864,433,400	89,724,700	.680469	.677584	.678546
Brookline . . .	137,055,300	4,068,700	.050022	.030726	.037158
Chelsea . . .	52,701,950	3,660,400	.019235	.027643	.024840
Everett . . .	55,638,500	5,281,000	.020307	.039881	.033356
Lexington . . .	14,658,401	492,900	.005350	.003722	.004265
Malden . . .	59,329,800	2,968,400	.021654	.022417	.022163
Medford . . .	59,446,450	2,507,600	.021696	.018937	.019857
Melrose . . .	28,766,900	1,253,800	.010499	.009469	.009812
Milton . . .	27,671,015	604,000	.010099	.004561	.006407
Nahant . . .	4,696,162	176,000	.001714	.001329	.001457
Newton ¹ . . .	23,584,120	-	.008608	-	.002869
Quincy . . .	109,171,600	4,478,200	.039845	.033819	.035828
Revere . . .	38,028,950	2,377,900	.013879	.017958	.016599
Somerville . . .	104,782,400	7,955,500	.038243	.060078	.052800
Stoneham . . .	10,623,025	574,000	.003877	.004335	.004182
Swampscott . . .	19,528,811	753,900	.007127	.005693	.006171
Watertown . . .	38,703,147	1,887,500	.014126	.014254	.014211
Winthrop . . .	22,681,450	1,030,000	.008278	.007778	.007945
	\$2,739,922,128	132,418,500	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

Division of Assessment for 1926.

¹ This amount includes \$250,000 under Chapter 302 of the Acts of 1925 and \$50,000 under Item 666a of Chapter 398 of the Acts of 1926.

Study of Water Supply Needs.

Arlington . . .	\$1,111	21
Belmont . . .	717	93
Boston . . .	57,636	82
Brookline . . .	3,156	26
Chelsea . . .	2,109	95
Everett . . .	2,833	31
Lexington . . .	362	28
Malden . . .	1,882	56
Medford . . .	1,686	69
Melrose . . .	833	45
Milton . . .	544	22
Nahant . . .	123	76
Newton . . .	243	70
Quincy . . .	3,043	29
Revere . . .	1,409	95
Somerville . . .	4,484	92
Stonham . . .	355	23
Swampscott . . .	524	17
Watertown . . .	1,207	10
Winthrop . . .	674	86
	\$84,941	66

Comparison of Total Assessments, 1925 and 1926, with Revenue from Water Rates in 1925.

CITIES AND TOWNS	WATER ASSESSMENTS		Water Revenue received by Cities and Towns, 1925
	1925	1926	
Arlington	\$31,458 53	\$40,305 60	\$96,741 62
Belmont	19,735 01	26,040 58	67,749 42 ¹
Boston ²	1,793,425 93	2,090,598 07	3,234,119 58 ³
Brookline	93,206 06	114,483 68	219,617 92 ³
Chelsea	65,492 84	76,531 95	157,897 04
Everett	79,123 02	102,769 73	212,885 42 ¹
Lexington	10,621 32	13,140 45	42,624 80 ⁴
Malden	57,491 80	68,284 13	147,152 81 ³
Medford	50,863 00	61,179 35	123,887 68 ¹
Melrose	26,000 98	30,230 74	63,021 59 ¹
Milton	15,750 22	19,739 94	77,918 51 ⁴
Nahant	4,171 56	4,489 01	11,404 41 ³
Newton	7,288 05	8,839 39	— ⁵
Quincy	90,308 38	110,385 95	302,605 27
Revere	43,354 01	51,141 48	100,267 10 ¹
Somerville	138,498 07	162,676 64	306,961 58 ³
Stoneham	11,174 09	12,884 74	43,475 92
Swampscott	16,135 36	19,012 84	60,569 27
Watertown	34,560 82	43,784 04	131,196 41 ¹
Winthrop	20,301 47	24,478 53	71,826 14
	\$2,608,960 52	\$3,080,996 84 ⁶	\$5,501,922 49

¹ No money received for hydrant rentals.

² For eleven months only, end of fiscal year changed to December 31st.

³ No money received for hydrant rentals or from municipal departments.

⁴ No money received from municipal departments.

⁵ Not taking water regularly from Metropolitan works.

⁶ Includes \$84,941.66, special assessment for expense of study of certain water supply needs under Chapter 491, Acts of 1924.

Net Water Debt of the Cities of the Original Metropolitan Water District.

CITIES	Jan. 1, 1925	Jan. 1, 1926	Increase
Boston	\$250,000 00	\$1,138,011 00	\$888,011 00
Chelsea	—	—	—
Everett	50,000 00	64,000 00	14,000 00
Malden	—7,490 41	—8,720 30	1,229 89 ¹
Medford	64,000 00	104,000 00	40,000 00
Melrose	92,511 16	107,000 00	14,488 84
Somerville	—	—	—
	\$449,020 75	\$1,404,290 70	\$955,269 95

¹ Decrease.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross Parks Debt, April 1, 1926:

Bonds outstanding (sinking fund)	\$9,485,000 00	
Bonds outstanding (serial)	90,000 00	
	<hr/>	\$9,575,000 00

a decrease for the year of \$13,750.

Sinking fund, April 1, 1926		5,459,100 44
		<hr/>

an increase for the year of \$248,120.02.

Net parks debt, April 1, 1926		\$4,115,899 56
---	--	----------------

a decrease for the year of \$261,870.02.

BOULEVARDS.

Gross parks, series two, (boulevards) debt, April 1, 1926:

Bonds outstanding (sinking fund) (one-half) . .	\$2,567,500 00	
Bonds outstanding (serial) (one-half)	1,320,500 00	
Bonds outstanding (serial), 78.75 per cent (chapter 300, General Acts of 1915 and chapter 220, General Acts of 1917)	185,062 50	
Bonds outstanding (serial), 75 per cent (chapter 238, General Acts of 1919 and chapter 380, Acts of 1922)	285,750 00	
	<hr/>	\$4,358,812 50

an increase for the year of \$241,562.50.

Sinking fund, April 1, 1926 (one-half)		1,386,152 28
		<hr/>

an increase for the year of \$62,404.75.

Net parks, series two, (boulevards) debt, April 1, 1926 . . .		\$2,972,660 22
---	--	----------------

an increase for the year of \$179,157.75.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1926 is made up as follows:

Parks sinking fund		\$62,972 01
Parks, series two, sinking fund		15,995 00
Nantasket sinking fund		4,267 33
Parks serial bonds		12,750 00
Parks, series two, serial bonds	\$86,562 50	
Less premium	\$3,412 12	

Refunds on account of unex-
pended balance of proceeds
from sale of bonds issued
under chapter 276, General
Acts of 1915 (\$1,105.76) and
under chapter 186, General
Acts of 1916 (\$3.16)

1,108 92

4,521 04

 \$2,041 46

Parks interest:

One year on \$8,785,000	\$301,225 00
Six months on 103,750	1,996 87
Six months on 90,000	1,726 25
Interest on advances and temporary loans, estimated, 1926	15,000 00
Adjustment of interest charges in 1925	28 21

 319,976 33

Parks, series two, interest:

One year on \$2,567,500.00	\$87,737 50	
Six months on 1,198,250.00	24,092 50	
Six months on 1,465,687.50	29,432 50	
Interest on advances and temporary loans, estimated, 1926	5,000 00	
	<hr/>	\$146,262 50

Adjustment of interest charges

in 1925	\$8,936 28	
Accrued interest	3,337 50	
	<hr/>	12,273 78

\$133,988 72

Nantasket interest:

One year on \$700,000		21,000 00
---------------------------------	--	-----------

Parks maintenance as appropriated by Legislature

Less balance on hand	\$1,012,094 63	
	87,258 04	
	<hr/>	924,836 59

Parks, series two, maintenance	\$614,000 00	
--	--------------	--

Less balance on hand	39,985 18	
--------------------------------	-----------	--

\$574,014 82

Neponset Bridge construction, appropriation

1926 (one-quarter)	3,437 41	
------------------------------	----------	--

577,452 23

Nantasket maintenance	\$82,500 00	
---------------------------------	-------------	--

Less balance on hand	145 53	
--------------------------------	--------	--

82,354 47

Wellington Bridge maintenance (one-quarter)	\$7,750 00	
---	------------	--

Less balance on hand (one quarter)	239 73	
--	--------	--

7,510 27

Total parks assessment for 1926	\$2,245,144 41 ¹
---	-----------------------------

¹ Exclusive of \$42,316.34 Division of Metropolitan Planning and \$232,037.51 assessment on account of cost of construction of certain bridges across the Charles River.

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE AND
NANTASKET AND METROPOLITAN PLANNING DIVISION.

Total Assessments and Grand Total.

CITIES AND TOWNS	Total Sinking Fund	Total Serial Bonds	Total Interest	Total Maintenance	Metro- politan Planning Division	Grand Total
Arlington	\$925 43	\$1,054 07	\$5,280 93	\$19,005 73	\$530 20	\$26,796 36
Belmont	554 20	631 24	3,162 54	11,464 11	321 28	16,133 37
Boston	46,390 57	52,838 79	264,725 96	\$31,086 03	21,012 10	1,216,053 45
Braintree	432 86	493 04	2,470 13	9,284 18	266 04	12,946 25
Brookline	3,304 42	3,763 72	18,856 50	55,877 48	1,344 74	83,146 86
Cambridge	4,509 87	5,136 72	25,735 32	92,132 71	2,561 50	130,076 12
Canton	217 76	248 03	1,242 67	4,479 13	125 08	6,312 67
Chelsea	1,351 67	1,539 55	7,713 26	30,554 40	902 28	42,061 16
Cohasset	10 84	-	53 34	209 19	-	273 37
Dedham	472 93	538 66	2,698 72	10,015 23	284 80	14,010 34
Dover	82 43	93 89	470 39	1,388 55	33 30	2,068 56
Everett	1,404 99	1,600 29	8,017 55	29,940 81	854 65	41,818 29
Hingham	291 02	331 48	1,660 73	5,541 18	146 80	7,971 21
Hull	425 28	484 38	2,426 82	6,457 21	139 47	9,933 16
Lynn	3,061 71	3,487 29	17,471 56	68,191 67	1,997 20	94,209 43
Malden	1,382 67	1,574 85	7,890 11	32,148 73	963 86	43,960 22
Medford	1,285 87	1,464 60	7,337 74	29,759 47	890 04	40,737 72
Melrose	667 40	760 18	3,808 54	14,269 11	408 10	19,913 33
Milton	651 06	741 56	3,715 27	12,159 81	317 59	17,585 29
Nahant	130 07	148 16	742 27	2,186 63	52 34	3,259 47
Needham	393 50	448 18	2,245 42	7,660 27	206 18	10,953 55
Newton	2,805 70	3,195 69	16,010 61	51,776 15	1,340 00	75,128 15
Quincy	2,254 11	2,567 42	12,863 00	46,112 25	1,283 15	65,079 93
Revere	853 88	972 57	4,872 62	20,184 10	610 35	27,493 52
Saugus	252 62	287 73	1,441 55	6,721 54	214 89	8,918 33
Somerville	2,544 05	2,897 67	14,517 53	60,119 53	1,817 72	81,896 50
Stonham	241 57	275 16	1,378 57	5,626 21	168 83	7,690 34
Swampscott	466 27	531 08	2,660 75	8,641 87	224 40	12,524 37
Wakefield	489 18	557 16	2,791 45	10,673 24	308 95	14,819 98
Waltham	1,244 47	1,417 46	7,101 52	25,869 04	727 22	36,359 71
Watertown	1,015 38	1,156 52	5,794 24	20,365 35	559 41	28,890 90
Wellesley	700 75	798 15	3,998 77	11,849 02	285 15	17,631 84
Weston	193 08	219 92	1,101 80	3,371 45	83 45	4,969 70
Westwood	92 33	105 16	526 88	1,693 96	43 64	2,461 97
Weymouth	534 32	608 60	3,049 12	11,710 40	339 81	16,242 28
Winchester	609 54	694 27	3,478 38	11,261 49	291 71	16,335 39
Winthrop	500 09	569 59	2,853 74	10,962 74	318 19	15,204 35
Woburn	490 45	558 63	2,798 75	11,403 59	341 89	15,593 31
	\$83,234 34	\$94,791 46	\$474,965 05	\$1,592,153 56	\$42,316 31 ¹	\$2,287,460 75 ²

¹ Chapter 399, Acts of 1923.

² Exclusive of \$232,037.51 special assessments on account of cost of construction of certain bridges across the Charles River.

METROPOLITAN PARKS (EXCEPTING NANTASKET) AND BOULEVARDS AND CHARLES
RIVER BASIN.

*Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (excepting
Parks Maintenance) Requirements as determined by Metropolitan District
Commission.*

CITIES AND TOWNS	Valuation (Chapter 212, Acts of 1925)	Per Cent
Arlington	\$41,875,036	.011119835248
Belmont	25,077,267	.006659220006
Boston	2,099,135,596	.557421419051
Braintree	19,586,817	.005201241572
Brookline	149,521,993	.039705277580
Cambridge	204,067,353	.054189692990
Canton	9,853,642	.002616615676
Chelsea	61,162,070	.016241470021
Dedham	21,399,474	.005682589151
Dover	3,729,933	.000990476532
Everett	63,574,863	.016882182560
Hingham	13,168,694	.003496921357
Hull	19,243,291	.005110018903
Lynn	138,540,086	.036789053304
Malden	62,564,379	.016613850478
Medford	58,184,383	.015450750966
Melrose	30,199,728	.008019479670
Milton	29,460,067	.007823064114
Nahant	5,885,817	.001562967381
Needham	17,804,996	.004728082433
Newton	126,955,555	.033712803384
Quincy	101,996,678	.027085021614
Revere	38,637,306	.010260062275
Saugus	11,430,789	.003035424028
Somerville	115,116,241	.030568896329
Stoneham	10,931,340	.002902796307
Swampscott	21,098,300	.005602612975
Wakefield	22,134,701	.005877827266
Waltham	56,311,341	.014953368267
Watertown	45,945,293	.012200684163
Wellesley	31,708,106	.008420026546
Weston	8,736,657	.002320002458
Westwood	4,177,828	.001109414188
Weymouth	24,177,886	.006420391112
Winchester	27,581,674	.007324260467
Winthrop	22,628,616	.006008985444
Woburn	22,192,645	.005893214184
	\$3,765,796,441	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET).

Portion of Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS	Valuation (Chapter 212, Acts of 1925)	Per Cent	Popu- lation (State Census, 1925)	Per Cent	Average Per Cent
Arlington . . .	\$41,875,036	.0111198352	24,943	.0139388886	.01252936190
Belmont . . .	25,077,267	.0066592200	15,256	.0085255036	.00759236280
Boston . . .	2,099,135,596	.5574214191	779,620	.4356747924	.49654810375
Braintree . . .	19,586,817	.0052012416	13,193	.0073726399	.00628694075
Brookline . . .	149,521,993	.0397052776	42,681	.0238514094	.03177834350
Cambridge . . .	204,067,353	.0541896930	119,669	.0668745886	.06053214080
Canton . . .	9,853,642	.0026166157	5,896	.0032948598	.00295573775
Chelsea . . .	61,162,070	.0162414700	47,247	.0264030257	.02132224785
Dedham . . .	21,399,474	.0056825892	13,918	.0077777914	.00673019030
Dover . . .	3,729,933	.0009904765	1,044	.0005834181	.00078694730
Everett . . .	63,574,863	.0168821826	42,072	.0235110822	.02019663240
Hingham . . .	13,168,694	.0034969214	6,158	.0034412732	.00346909730
Hull . . .	19,243,291	.0051100189	2,652	.0014820163	.00329601760
Lynn . . .	138,540,086	.0367890533	103,081	.0576047219	.04719688760
Malden . . .	62,564,379	.0166138505	51,789	.0289412301	.02277754030
Medford . . .	58,184,383	.0154507510	47,627	.0266153810	.02103306600
Melrose . . .	30,199,728	.0080194797	20,165	.0112688004	.00964414005
Milton . . .	29,460,067	.0078230641	12,861	.0071871085	.00750508630
Nahant . . .	5,885,817	.0015629674	1,630	.0009108924	.00123692990
Needham . . .	17,804,996	.0047280824	8,977	.0050166140	.00487234820
Newton . . .	126,955,555	.0337128034	53,003	.0296196493	.03166622635
Quincy . . .	101,996,678	.0270850216	60,055	.0335605162	.03032276890
Revere . . .	38,637,306	.0102600622	33,261	.0185872339	.01442364805
Saugus . . .	11,430,789	.0030354240	12,743	.0071211666	.00507829530
Somerville . . .	115,116,241	.0305688963	99,032	.0533420205	.04295545840
Stoneham . . .	10,931,340	.0029027963	9,084	.0050764088	.00398960255
Swampscott . . .	21,098,300	.0056026130	8,953	.0050032021	.00530290755
Wakefield . . .	22,134,701	.0058778273	15,611	.0087238901	.00730085870
Waltham . . .	56,311,341	.0149533683	34,746	.0194170959	.01718523210
Watertown . . .	45,945,293	.0122006841	25,480	.0142389802	.01321983215
Wellesley . . .	31,708,106	.0084200265	9,049	.0050568497	.00673843810
Weston . . .	8,736,657	.0023200025	2,906	.0016239590	.00197198075
Westwood . . .	4,177,828	.0011094142	1,706	.0009533634	.00103138880
Weymouth . . .	24,177,886	.0064203911	17,253	.0096411884	.00803093975
Winechester . . .	27,581,674	.0073242605	11,565	.0064628652	.00689356285
Winthrop . . .	22,628,616	.0060089854	16,158	.0090295700	.00751927770
Woburn . . .	22,192,645	.0058932141	18,370	.0102657012	.00807945765
	\$3,765,796,441	1.0000000000	1,789,451	1.0000000000	1.00000000000

METROPOLITAN PARKS — NANTASKET.

*Portion of Sinking Fund, Interest and Maintenance Requirements as determined by
Metropolitan District Commission.*

CITIES AND TOWNS										Valuation (Chapter 212, Acts of 1925)	Per Cent
Arlington	.	.	.	.	.	.	.	.	.	\$41,875,036	.011091590003
Belmont	.	.	.	.	.	.	.	.	.	25,077,267	.006642305071
Boston	.	.	.	.	.	.	.	.	.	2,099,135,596	.556005525384
Braintree	.	.	.	.	.	.	.	.	.	19,586,817	.005188030015
Brookline	.	.	.	.	.	.	.	.	.	149,521,993	.039604423093
Cambridge	.	.	.	.	.	.	.	.	.	204,067,353	.054052046964
Canton	.	.	.	.	.	.	.	.	.	9,853,642	.002609969269
Chelsea	.	.	.	.	.	.	.	.	.	61,162,070	.016200215426
Cohasset	.	.	.	.	.	.	.	.	.	9,589,774	.002540077612
Dedham	.	.	.	.	.	.	.	.	.	21,399,474	.005668154933
Dover	.	.	.	.	.	.	.	.	.	3,729,933	.000987960645
Everett	.	.	.	.	.	.	.	.	.	63,574,863	.016839300506
Hingham	.	.	.	.	.	.	.	.	.	13,168,694	.003488038905
Hull	.	.	.	.	.	.	.	.	.	19,243,291	.005097039059
Lynn	.	.	.	.	.	.	.	.	.	138,540,086	.036695606253
Malden	.	.	.	.	.	.	.	.	.	62,564,379	.016571650008
Medford	.	.	.	.	.	.	.	.	.	58,184,383	.015411504860
Melrose	.	.	.	.	.	.	.	.	.	30,199,728	.007999109569
Milton	.	.	.	.	.	.	.	.	.	29,460,067	.007803192924
Nahant	.	.	.	.	.	.	.	.	.	5,885,817	.001558997322
Needham	.	.	.	.	.	.	.	.	.	17,804,996	.004716072737
Newton	.	.	.	.	.	.	.	.	.	126,955,555	.033627170247
Quincy	.	.	.	.	.	.	.	.	.	101,996,678	.027016223557
Revere	.	.	.	.	.	.	.	.	.	38,637,306	.010234000921
Saugus	.	.	.	.	.	.	.	.	.	11,430,789	.003027713815
Somerville	.	.	.	.	.	.	.	.	.	115,116,241	.030491248959
Stoneham	.	.	.	.	.	.	.	.	.	10,931,340	.002895422979
Swampscott	.	.	.	.	.	.	.	.	.	21,098,300	.005588381903
Wakefield	.	.	.	.	.	.	.	.	.	22,134,701	.005862897129
Waltham	.	.	.	.	.	.	.	.	.	56,311,341	.014915385551
Watertown	.	.	.	.	.	.	.	.	.	45,945,293	.012169693479
Wellesley	.	.	.	.	.	.	.	.	.	31,708,106	.008398639025
Weston	.	.	.	.	.	.	.	.	.	8,736,657	.002314109472
Westwood	.	.	.	.	.	.	.	.	.	4,177,828	.001106596190
Weymouth	.	.	.	.	.	.	.	.	.	24,177,886	.006404082820
Winchester	.	.	.	.	.	.	.	.	.	27,581,674	.007305656277
Winthrop	.	.	.	.	.	.	.	.	.	22,628,616	.005993722155
Woburn	.	.	.	.	.	.	.	.	.	22,192,645	.005878244963
										\$3,775,386,215	1.000000000000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED	Due Dates	Sinking Fund Dec. 1, 1925	Amount of Dec. 1, 1925 Sinking Fund at Ma- turity of Loan. Accumulations reckoned at 3½ Per Cent	Balance to be provided for	Sinking Fund Requirements for 1926
\$125,000	Jan., 1928	\$108,255 04	\$116,605 39	\$8,394 61	\$4,119 34
1,300,000	Jan., 1934	900,036 35	1,211,551 82	88,448 18	9,672 82
2,000,000	Jan., 1936	1,266,401 27	1,836,216 00	163,784 00	13,778 21
1,400,000	Jan., 1937	848,273 55	1,276,508 17	123,491 83	9,259 26
1,000,000	July, 1938	572,070 64	910,207 05	89,792 95	6,049 94
505,000	July, 1939	275,753 27	455,351 16	49,648 84	3,026 68
650,000	Jan., 1941	359,551 90	627,755 08	22,244 92	1,128 79
125,000	Jan., 1943	53,793 58	101,164 84	23,835 16	1,024 51
340,000	July, 1943	147,955 96	283,464 85	56,535 15	2,430 07
300,000	Jan., 1944	119,273 34	232,797 20	67,202 80	2,672 56
370,000	Jan., 1945	135,207 46	273,886 28	96,113 72	3,546 99
300,000	Jan., 1946	105,954 97	222,754 35	77,245 65	2,652 40
300,000	Jan., 1947	95,631 06	208,659 94	91,340 06	2,925 19
70,000	Jan., 1949	19,383 57	45,555 87	24,444 13	685 25
\$8,785,000	-	\$5,007,541 96	\$7,802,478 00	\$982,522 00	\$62,972 01

Nantasket.

\$600,000	July, 1939	\$328,771 28	\$542,899 76	\$57,100 24	\$3,480 93
100,000	Jan., 1941	48,399 46	84,502 42	15,497 58	786 40
\$700,000	-	\$377,170 74	\$627,402 18	\$72,597 82	\$4,267 33

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED	Due Dates	Sinking Fund Dec. 1, 1925	Amount of Dec. 1, 1925 Sinking Fund at Ma- turity of Loan. Accumulations reckoned at 3½ Per Cent	Balance to be provided for	Sinking Fund Requirements for 1926
\$250,000	Jan., 1934	\$177,931 38	\$239,515 98	\$10,484 02	\$1,147 00
300,000	Jan., 1936	195,965 87	284,140 32	15,859 68	1,334 00
500,000	Jan., 1937	313,004 55	471,018 89	28,981 11	2,173 00
50,000	July, 1938	29,595 84	47,089 19	2,910 81	196 00
250,000	July, 1939	141,918 93	234,350 62	15,649 38	954 00
225,000	Jan., 1940	113,732 47	191,327 71	33,672 29	1,868 00
162,500	July, 1940	86,152 72	147,648 83	14,851 17	824 00
55,000	Jan., 1943	24,310 82	45,719 21	9,280 79	399 00
150,000	July, 1943	62,950 35	120,604 89	29,395 11	1,263 00
150,000	Jan., 1944	60,955 43	118,972 55	31,027 45	1,234 00
150,000	Jan., 1945	55,682 78	112,795 18	37,204 82	1,373 00
150,000	Jan., 1946	49,926 40	104,962 73	45,037 27	1,546 00
150,000	Jan., 1947	48,359 73	105,517 37	44,482 63	1,425 00
25,000	Jan., 1949	6,706 12	15,760 93	9,239 07	259 00
\$2,567,500	-	\$1,367,193 39	\$2,239,424 40	\$328,075 60	\$15,995 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS	Parks	Boulevards	Nantasket	Total
Arlington	\$700 24	\$177 86	\$47 33	\$925 43
Belmont	419 35	106 51	28 34	554 20
Boston	35,101 95	8,915 96	2,372 66	46,390 57
Braintree	327 53	83 19	22 14	432 86
Brookline	2,500 32	635 09	169 01	3,304 42
Cambridge	3,412 44	866 77	230 66	4,509 87
Canton	164 77	41 85	11 14	217 76
Chelsea	1,022 76	259 78	69 13	1,351 67
Cohasset	—	—	10 84	10 84
Dedham	357 85	90 89	24 19	472 93
Dover	62 37	15 84	4 22	82 43
Everett	1,063 10	270 03	71 86	1,404 99
Hingham	220 21	55 93	14 88	291 02
Hull	321 79	81 74	21 75	425 28
Lynn	2,316 68	588 44	156 59	3,061 71
Malden	1,046 21	265 74	70 72	1,382 67
Medford	972 96	247 14	65 77	1,285 87
Melrose	505 00	128 27	34 13	667 40
Milton	492 63	125 13	33 30	651 06
Nahant	98 42	25 00	6 65	130 07
Needham	297 74	75 63	20 13	393 50
Newton	2,122 96	539 24	143 50	2,805 70
Quincy	1,705 60	433 22	115 29	2,254 11
Revere	646 10	164 11	43 67	853 88
Saugus	191 15	48 55	12 92	252 62
Somerville	1,924 98	488 95	130 12	2,544 05
Stoneham	182 79	46 43	12 35	241 57
Swampscott	352 81	89 61	23 85	466 27
Wakefield	370 14	94 02	25 02	489 18
Waltham	941 64	239 18	63 65	1,244 47
Watertown	768 30	195 15	51 93	1,015 38
Wellesley	530 23	134 68	35 84	700 75
Weston	146 10	37 11	9 87	193 08
Westwood	69 86	17 75	4 72	92 33
Weymouth	404 30	102 69	27 33	534 32
Winchester	461 22	117 15	31 17	609 54
Winthrop	378 40	96 11	25 58	500 09
Woburn	371 11	94 26	25 08	490 45
	<u>\$62,972 01</u>	<u>\$15,995 00</u>	<u>\$4,267 33</u>	<u>\$83,234 34</u>

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.
Serial Bond Requirements.

CITIES AND TOWNS	Parks	Boulevards	Total
Arlington	\$141 78	\$912 29	\$1,054 07
Belmont	84 91	546 33	631 24
Boston	7,107 12	45,731 67	52,838 79
Braintree	66 32	426 72	493 04
Brookline	506 24	3,257 48	3,763 72
Cambridge	690 92	4,445 80	5,136 72
Canton	33 36	214 67	248 03
Chelsea	207 08	1,332 47	1,539 55
Dedham	72 45	466 21	538 66
Dover	12 63	81 26	93 89
Everett	215 25	1,385 04	1,600 29
Hingham	44 59	286 89	331 48
Hull	65 15	419 23	484 38
Lynn	469 06	3,018 23	3,487 29
Malden	211 83	1,363 02	1,574 85
Medford	197 00	1,267 60	1,464 60
Melrose	102 25	657 93	760 18
Milton	99 74	641 82	741 56
Nahant	19 93	128 23	148 16
Needham	60 28	387 90	448 18
Newton	429 84	2,765 85	3,195 69
Quincy	345 33	2,222 09	2,567 42
Revere	130 82	841 75	972 57
Saugus	38 70	249 03	287 73
Somerville	389 75	2,507 92	2,897 67
Stoneham	37 01	238 15	275 16
Swampscott	71 43	459 65	531 08
Wakefield	74 94	482 22	557 16
Waltham	190 66	1,226 80	1,417 46
Watertown	155 56	1,000 96	1,156 52
Wellesley	107 36	690 79	798 15
Weston	29 58	190 34	219 92
Westwood	14 14	91 02	105 16
Weymouth	81 86	526 74	608 60
Winchester	93 38	600 89	694 27
Winthrop	76 61	492 98	569 59
Woburn	75 14	483 49	558 63
	\$12,750 00	\$82,041 46	\$94,791 46

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS	Parks	Boulevards	Nantasket	Total
Arlington	\$3,558 08	\$1,489 93	\$232 92	\$5,280 93
Belmont	2,130 79	892 26	139 49	3,162 54
Boston	178,361 66	74,688 18	11,676 12	264,725 96
Braintree	1,664 27	696 91	108 95	2,470 13
Brookline	12,704 75	5,320 06	831 69	18,856 50
Cambridge	17,339 42	7,260 81	1,135 09	25,735 32
Canton	837 26	350 60	54 81	1,242 67
Chelsea	5,196 89	2,176 17	340 20	7,713 26
Cohasset	-	-	53 34	53 34
Dedham	1,818 29	761 40	119 03	2,698 72
Dover	316 93	132 71	20 75	470 39
Everett	5,401 90	2,262 02	353 63	8,017 55
Hingham	1,118 93	468 55	73 25	1,660 73
Hull	1,635 09	684 69	107 04	2,426 82
Lynn	11,771 63	4,929 32	770 61	17,471 56
Malden	5,316 04	2,226 07	348 00	7,890 11
Medford	4,943 87	2,070 23	323 64	7,337 74
Melrose	2,566 04	1,074 52	167 98	3,808 54
Milton	2,503 20	1,048 20	163 87	3,715 27
Nahant	500 11	209 42	32 74	742 27
Needham	1,512 87	633 51	99 04	2,245 42
Newton	10,787 30	4,517 14	706 17	16,010 61
Quincy	8,666 57	3,629 09	567 34	12,863 00
Revere	3,282 98	1,374 73	214 91	4,872 62
Saugus	971 26	406 71	63 58	1,441 55
Somerville	9,781 32	4,095 89	640 32	14,517 53
Stoneham	928 83	388 94	60 80	1,378 57
Swampscott	1,792 70	750 69	117 36	2,660 75
Wakefield	1,880 77	787 56	123 12	2,791 45
Waltham	4,784 72	2,003 58	313 22	7,101 52
Watertown	3,903 93	1,634 75	255 56	5,794 24
Wellesley	2,694 21	1,128 19	176 37	3,998 77
Weston	742 35	310 85	48 60	1,101 80
Westwood	354 99	148 65	23 24	526 88
Weymouth	2,054 37	860 26	134 49	3,049 12
Winchester	2,343 59	981 37	153 42	3,478 38
Winthrop	1,922 73	805 14	125 87	2,853 74
Woburn	1,885 69	789 62	123 44	2,798 75
	\$319,976 33	\$133,988 72	\$21,000 00	\$474,965 05

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON BRIDGE, AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS	Parks	Wellington Bridge	Nantasket	Boulevards	Total
Arlington	\$11,587 61	\$83 51	\$913 44	\$6,421 17	\$19,005 73
Belmont	7,021 70	50 01	547 02	3,845 38	11,464 11
Boston	459,225 86	4,186 39	45,789 54	321,884 24	\$31,086 03
Braintree	5,814 39	39 06	427 26	3,003 47	9,284 18
Brookline	29,389 78	298 20	3,261 60	22,927 90	55,877 48
Cambridge	55,982 34	406 98	4,451 43	31,291 96	92,132 71
Canton	2,733 57	19 65	214 94	1,510 97	4,479 13
Chelsea	19,719 59	121 98	1,334 16	9,378 67	30,554 40
Cohasset	-	-	209 19	-	209 19
Dedham	6,224 33	42 68	466 80	3,281 42	10,015 23
Dover	727 80	7 44	81 36	571 95	1,388 55
Everett	18,678 58	126 79	1,386 79	9,748 65	29,940 81
Hingham	3,208 35	26 26	287 26	2,019 31	5,541 18
Hull	3,048 28	38 38	419 76	2,950 79	6,457 21
Lynn	43,649 41	276 29	3,022 05	21,243 92	68,191 67
Malden	21,065 50	124 77	1,364 75	9,593 71	32,148 73
Medford	19,452 15	116 04	1,269 21	8,922 07	29,759 47
Melrose	8,919 25	60 23	658 76	4,630 87	14,269 11
Milton	6,940 98	58 75	642 63	4,517 45	12,159 81
Nahant	1,143 96	11 74	128 39	902 54	2,186 63
Needham	4,506 13	35 51	388 39	2,730 24	7,660 27
Newton	29,286 08	253 19	2,769 35	19,467 53	51,776 15
Quincy	28,043 61	203 42	2,224 91	15,640 31	46,112 25
Revere	13,339 52	77 06	842 82	5,924 70	20,184 10
Saugus	4,696 59	22 80	249 34	1,752 81	6,721 54
Somerville	39,726 78	229 58	2,511 09	17,652 08	60,119 53
Stoneham	3,689 73	21 80	238 45	1,676 23	5,626 21
Swampscott	4,904 32	42 08	460 23	3,235 24	8,641 87
Wakefield	6,752 10	44 14	482 83	3,394 17	10,673 24
Waltham	15,893 53	112 30	1,228 35	8,634 86	25,869 04
Watertown	12,226 18	91 63	1,002 23	7,045 31	20,365 35
Wellesley	6,231 95	63 24	691 67	4,862 16	11,849 02
Weston	1,823 76	17 42	190 58	1,339 69	3,371 45
Westwood	953 87	8 33	91 13	640 63	1,693 96
Weymouth	7,427 31	48 22	527 40	3,707 47	11,710 40
Winchester	6,375 42	55 01	601 65	4,229 41	11,261 49
Winthrop	6,954 10	45 13	493 61	3,469 90	10,962 74
Woburn	7,472 18	44 26	484 10	3,403 05	11,403 59
	\$924,836 59	\$7,510 27	\$82,354 47	\$577,452 23	\$1,592,153 56

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent	\$201,250 00	
Previously assessed	115,000 00	
Outstanding	\$86,250 00	
Serial bonds due Jan. 1, 1927		\$11,500 00
Interest:		
One year on \$86,250	\$3,450 00	
Six months on 11,500	230 00	
		3,680 00
		\$15,180 00

Assessment.

	Per Cent	Serial Bonds	Interest	Total
City of Boston	20	\$4,000 00	\$1,280 00	\$5,280 00
City of Quincy	15	3,000 00	960 00	3,960 00
County of Norfolk	5	1,000 00	320 00	1,320 00
County of Plymouth	2½	500 00	160 00	660 00
Bay State Street Railway Company	15	3,000 00	960 00	3,960 00
	57½	\$11,500 00	\$3,680 00	\$15,180 00

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915 and Chapter 220, General Acts of 1917.]

Bonds issued, 57½ per cent	\$57,500 00	
Previously assessed	8,625 00	
Outstanding	\$48,875 00	
Serial bonds due Jan. 1, 1927		\$2,875 00
Interest:		
One year on \$48,875	\$1,955 00	
Six months on 2,875	57 50	
		2,012 50
		\$4,887 50

Assessment.

	Per Cent	Serial Bonds	Interest	Total
City of Boston	20	\$1,000 00	\$700 00	\$1,700 00
City of Quincy	15	750 00	525 00	1,275 00
County of Norfolk	5	250 00	175 00	425 00
County of Plymouth	2½	125 00	87 50	212 50
Bay State Street Railway Company	15	750 00	525 00	1,275 00
	57½	\$2,875 00	\$2,012 50	\$4,887 50

NEPONSET BRIDGE.

Special Assessment.

[Chapter 238, General Acts of 1919, and Chapter 380, Acts of 1922.]

Bonds issued, 50 per cent	\$225,000 00	
Previously assessed	34,500 00	
Outstanding	\$190,500 00	
Serial bonds due Jan. 1, 1927		\$11,500 00
Interest:		
One year on \$190,500	\$7,620 00	
Six months on 11,500	230 00	
		\$7,850 00
Less interest on average balance in fund, 50 per cent		567 93
		7,282 07
		\$18,782 07

Assessment.

	Per Cent	Serial Bonds	Interest	Total
City of Boston	23¾	\$5,411 77	\$3,426 86	\$8,838 63
City of Quincy	17½	4,058 82	2,570 14	6,628 96
County of Norfolk	5½	1,352 94	856 71	2,209 65
County of Plymouth	2½	676 47	428 36	1,104 83
	50	\$11,500 00	\$7,282 07	\$18,782 07

*Special Assessment to provide for the Payment of Certain Deficiencies incurred in
the Construction of the Neponset Bridge.*

[Item 660, Chapter 79, Acts of 1926.]

	Per Cent	Assessment
City of Boston	23 ⁶ / ₇	\$3,235 21
City of Quincy	17 ¹¹ / ₁₇	2,426 40
County of Norfolk	5 ¹⁵ / ₁₇	808 80
County of Plymouth	21 ² / ₇	404 40
	50	\$6,874 81

WELLINGTON BRIDGE.

Special Assessment.

Maintenance.

[Chapter 295, General Acts of 1916.]

	Per Cent	Assessment
Malden	15.2941	\$4,594 52
Medford	18.8235	5,654 79
Somerville	12.9412	3,887 68
Stoneham	2.9412	883 57
	50.0000	\$15,020 56

**ASSESSMENTS ON ACCOUNT OF COST OF CONSTRUCTION OF CERTAIN BRIDGES
ACROSS THE CHARLES RIVER.**

CITIES AND TOWNS	Western Avenue and Arsenal Street Bridge	Western Avenue Bridge	Massachusetts Avenue Bridge	Totals
Arlington	\$321 25	\$516 62	\$4,486 11	\$5,323 98
Belmont	192 38	309 38	2,686 55	3,188 31
Boston	16,103 64	25,897 25	—	42,000 89
Braintree	150 26	241 65	2,098 35	2,490 26
Brookline	1,117 07	1,844 67	16,018 43	19,010 17
Cambridge	1,565 52	2,517 60	—	4,083 12
Canton	75 59	121 57	1,055 63	1,252 79
Chelsea	469 21	754 56	6,552 35	7,776 12
Dedham	164 17	264 01	2,292 55	2,720 73
Dover	28 61	46 02	399 59	474 22
Everett	487 72	784 33	6,810 83	8,082 88
Hingham	101 02	162 46	1,410 77	1,674 25
Hull	147 63	237 41	2,061 55	2,446 59
Lynn	1,062 82	1,709 18	14,841 93	17,613 93
Malden	479 97	771 86	6,702 58	7,954 41
Medford	416 36	717 83	6,233 35	7,397 54
Melrose	231 68	372 58	3,235 32	3,839 58
Milton	226 00	363 45	3,156 08	3,745 53
Nahant	45 15	72 61	630 55	748 31
Needham	136 59	219 66	1,907 47	2,263 72
Newton	973 95	1,566 26	13,600 86	16,141 07
Quincy	782 47	1,258 34	10,927 00	12,967 81
Revere	296 41	476 67	4,139 25	4,912 33
Saugus	87 69	141 02	1,224 59	1,453 30
Somerville	883 12	1,420 20	12,332 51	14,635 83
Stoneham	83 86	134 86	1,171 08	1,389 80
Swampscott	161 86	260 29	2,260 28	2,682 43
Wakefield	169 81	273 08	2,371 31	2,814 20
Waltham	432 00	694 72	6,032 69	7,159 41
Wartertown	352 47	566 83	4,922 16	5,841 46
Wellesley	213 25	391 19	3,396 92	4,031 36
Weston	67 02	107 79	935 97	1,110 78
Westwood	32 05	51 51	447 57	531 16
Weymouth	185 48	298 29	2,590 20	3,073 97
Winchester	211 59	340 28	2,954 85	3,506 72
Winthrop	173 60	279 17	2,424 22	2,876 99
Woburn	170 25	273 79	2,377 52	2,821 56
	\$28,889 52 ¹	\$46,459 02 ¹	\$156,688 97 ²	\$232,037 51

¹ Chapter 497, Acts of 1924, Metropolitan Parks District, 15%.

² Chapter 442, Acts of 1924, Metropolitan Parks District (except Boston and Cambridge), 30%.

**SPECIAL ASSESSMENTS ON ACCOUNT OF COST OF CONSTRUCTION OF CERTAIN
BRIDGES OVER THE CHARLES RIVER.**

Western Avenue and Arsenal Street Bridge.

[Chapter 497, Acts of 1921.]

	Per Cent	Amount
City of Boston	35.00	\$67,408 87
Town of Watertown	35.00	67,408 87
County of Middlesex	7.50	14,441 76
Boston Elevated Railway Company	7.50	14,441 76
	<u>85.00</u>	<u>\$163,707 26</u>

Western Avenue Bridge.

[Chapter 497, Acts of 1921.]

	Per Cent	Amount
City of Boston	35.00	\$108,404 39
City of Cambridge	35.00	108,404 39
County of Middlesex	7.50	23,229 52
Boston Elevated Railway Company	7.50	23,229 51
	<u>85.00</u>	<u>\$263,267 81</u>

Massachusetts Avenue Bridge.

[Chapter 442, Acts of 1924.]

	Per Cent	Amount
City of Boston	45.00	\$235,033 45
City of Cambridge	25.00	130,574 14
	<u>70.00</u>	<u>\$365,607 59</u>

**REFUND ON ACCOUNT OF UNEXPENDED BALANCE OF PROCEEDS OF BONDS ISSUED
UNDER CHAPTER 276, GENERAL ACTS OF 1915.**

	Per Cent	Refund
Malden	13	\$676 47
Medford	16	832 57
Somerville	11	572 40
Stonham	2½	130 09
Boston Elevated Railway Company	15	780 54
	<u>57½</u>	<u>\$2,992 07</u>

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by chapter 529 of the Acts of 1907 and chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS	Assessment	Interest	Total	Proportion of Total (Per Cent)
Arlington	\$1,636 79	\$300 80	\$1,937 59	24
Belmont	1,159 39	213 07	1,372 46	17
Cambridge	3,205 37	589 06	3,794 43	47
Somerville	818 39	150 40	968 79	12
	<u>\$6,819 94</u>	<u>\$1,253 33</u>	<u>\$8,073 27</u>	<u>100</u>

¹ This table includes the sixteenth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the thirteenth assessment and interest under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1926:

Bonds outstanding (sinking fund)	\$6,563,000 00
Bonds outstanding (serial)	1,349,000 00
	<hr/> \$7,912,000 00

a decrease for the year of \$94,500.

Sinking fund, April 1, 1926 4,888,850 84

an increase for the year of \$344,514.90.

Net sewerage, north system, debt, April 1, 1926 . . . \$3,023,149 16

a decrease for the year of \$439,014.90.

Assessment, North System.

Sinking fund	\$187,291 41
Serial bonds	92,500 00

Interest:

One year on \$7,882,000 . . . \$255,215 00

Four months on 14,500 . . . 193 34

Interest on advances and temporary
loans, estimated 1926 . . . 5,000 00

\$260,408 34

Adjustment of interest charges in 1925 . . . 8,086 37

252,321 97

Maintenance as appropriated by Legislature . . \$342,200 00

Less balance on hand . . . 19,914 82

322,285 18

Total north metropolitan sewerage assessment . . . \$854,398 56

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessments (Chapter 512, Acts of 1911).

Bonds issued . . . \$62,000 00

Previously assessed . . . 32,000 00

Outstanding . . . \$30,000 00

Assessment for 1926 is made up, as follows:

Serial bonds due Jan. 1, 1927 . . . \$2,000 00

Interest:

One year on \$30,000 . . . \$1,050 00

Four months on 2,000 . . . 23.34

1,073 34

\$3,073 34

Everett and Malden, one-half each.

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1926:

Bonds outstanding (sinking fund) . . . \$8,877,912 00

Bonds outstanding (serial) . . . 882,000 00

\$9,759,912 00

a decrease for the year of \$32,000.

Sinking fund, April 1, 1926 3,172,393 37

an increase for the year of \$263,471.55.

Net sewerage, south system, debt, April 1, 1926 . . . \$6,587,518 63

a decrease for the year of \$295,471.55.

Assessment, South System.

Sinking fund	\$178,698 18
Serial bonds	32,000 00
Interest:	
One year on \$9,759,912	\$337,452 36
Interest on advances and temporary loans, estimated, 1926	10,000 00
Adjustment of interest charges in 1925	2,237 93
	<hr/>
	349,690 29
Maintenance as appropriated by Legislature	\$208,000 00
Less balance on hand	9,974 01
	<hr/>
	198,025 99
	<hr/>
Total south metropolitan sewerage assessment	\$758,414 46

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS	Sinking Fund	Serial Bonds	Interest	Maintenance	Total
Arlington	\$8,222 09	\$4,060 75	\$11,076 94	\$11,666 72	\$35,026 50
Belmont	4,925 76	2,432 75	6,636 07	7,122 50	21,117 08
Boston	24,048 22	11,877 00	32,398 14	48,793 98	117,117 34
Cambridge	40,080 36	19,795 00	53,996 90	55,884 25	169,756 51
Chelsea	12,005 38	5,929 25	16,173 84	22,076 53	56,185 00
Everett	12,473 61	6,160 50	16,804 64	19,659 40	55,098 15
Lexington	2,347 50	1,110 00	3,027 86	2,320 45	8,705 81
Malden	12,286 32	6,068 00	16,552 32	24,203 62	59,110 26
Medford	11,424 78	5,642 50	15,891 64	22,237 68	54,696 60
Melrose	5,937 14	2,932 25	7,998 61	9,410 73	26,278 73
Reading	2,734 45	1,350 50	3,683 90	4,060 79	11,829 64
Revere	7,585 30	3,746 25	10,219 04	15,534 15	37,084 74
Somerville	22,606 07	11,164 75	30,455 26	46,247 92	110,474 00
Stoneham	2,153 85	1,063 75	2,901 70	4,254 16	10,373 46
Wakefield	4,345 16	2,146 00	5,853 87	7,283 65	19,628 68
Winchester	5,412 72	2,673 25	7,292 11	5,414 39	20,792 47
Winthrop	4,438 81	2,192 25	5,980 03	7,541 47	20,152 56
Woburn	4,363 89	2,155 25	5,879 10	8,572 79	20,971 03
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	\$187,291 41	\$92,500 00	\$252,321 97	\$322,285 18	\$854,398 56

¹ Exclusive of \$3,073.34, special assessments on Everett and Malden which are included on page 4.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR	Due Dates	Sinking Fund Dec. 1, 1925	Amount of Dec. 1, 1925 Sinking Fund at Maturity of Loan. Ac- cumulations reckoned at 3½ Per Cent	Balance	Portion of Balance to be provided for this Year	Sinking Fund Re- quirements for 1926
\$5,330,000 (4,530,500)	Jan., 1930 Sunk	\$4,326,473 97	\$5,019,668 85	\$4,840,831 15	\$181,531 17	\$162,384 84
265,000 (225,250)	Jan., 1930 Sunk	203,751 66	236,397 09	253,852 91	9,519 48	8,515 45
200,000 (162,998)	Jan., 1930 Sunk	158,603 04	184,014 68	178,983 32	8,277 97	7,404 88
250,000 (97,916)	July, 1943 Sunk	56,274 81	107,815 40	240,100 60	8,003 35	4,335 51
50,000 (19,584)	Jan., 1943 Sunk	11,435 61	21,505 94	48,078 06	1,602 60	884 43
55,000 (21,542)	July, 1943 Sunk	14,667 14	28,100 38	48,441 62	1,614 72	874 71
300,000 (72,500)	Jan., 1949 Sunk	38,200 56	89,780 15	282,719 85	4,712 00	2,080 80
113,000 (27,308)	Jan., 1949 Sunk	12,826 75	30,145 83	110,162 17	1,836 04	810 79
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
\$6,563,000 (5,157,598)	- Sunk	\$4,822,233 54	\$5,717,428 32	\$6,003,169 68	\$217,097 33	\$187,291 41

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED	Due Dates	Amount provided for	Amount to be provided for	1926
\$5,330,000	1930	1/8 + 1/6 + 1/3 + 18/80	12/80	3/80
265,000	1930	70/240 + 1/3 + 18/80	12/80	3/80
200,000	1930	49/240 + 1/3 + 666/2400	444/2400	111/2400
300,000	1943	1/8 + 1/6 + 3/30	7/30 + 3/8	1/30
55,000	1943	1/8 + 1/6 + 3/30	7/30 + 3/8	1/30
300,000	1949	1/8 + 7/60	3/60 + 1/3 + 3/8	1/60
113,000	1949	1/8 + 7/60	3/60 + 1/3 + 3/8	1/60

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1925 and the Census Returns of 1925. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS	State Valuation, Acts of 1925, Chapter 212	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent)	Population, State Census, 1925	Proportion for Main- tenance and Operation (Per Cent)
Arlington	\$41,875,036	4.39	24,943	3.62
Belmont	25,077,267	2.63	15,256	2.21
Boston:				
Charlestown and East Boston	122,482,599	12.84	104,452	15.14
Cambridge	204,067,353	21.40	119,669	17.34
Chelsea	61,162,070	6.41	47,247	6.85
Everett	63,574,863	6.66	42,072	6.10
Lexington	11,470,399 ¹	1.20	5,000 ²	0.72
Malden	62,564,379	6.56	51,789	7.51
Medford	58,184,383	6.10	47,627	6.90
Melrose	30,199,728	3.17	20,165	2.92
Reading	13,901,987	1.46	8,693	1.26
Revere	38,637,306	4.05	33,261	4.82
Somerville	115,116,241	12.07	99,032	14.35
Stoneham	10,931,340	1.15	9,084	1.32
Wakefield	22,134,701	2.32	15,611	2.26
Winchester	27,581,674	2.89	11,565	1.68
Winthrop	22,628,616	2.37	16,158	2.34
Woburn	22,192,645	2.33	18,370	2.66
Totals	\$953,782,587	100.00	689,994	100.00

¹ 76% of the Town Valuation, derived from figures certified by the Board of Assessors of Lexington.² See Letter of F. J. Spence, Sec'y of the Board of Assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS	Sinking Fund	Serial Bonds	Interest	Maintenance	Total
Boston	\$77,233 36	\$13,830 10	\$151,136 14	\$105,587 46	\$347,787 36
Brookline	26,143 54	4,681 60	51,159 69	15,168 79	97,153 62
Dedham	3,591 83	643 20	7,028 78	4,693 22	15,957 03
Milton	5,146 51	921 60	10,071 08	4,574 40	20,713 59
Needham	3,127 22	560 00	6,119 58	3,188 22	12,995 02
Newton	22,194 31	3,974 40	43,431 54	18,832 27	88,432 52
Quincy	17,834 08	3,193 60	31,899 09	21,317 20	77,273 97
Waltham	9,846 27	1,763 20	19,267 93	12,356 82	43,234 22
Watertown	8,041 42	1,410 00	15,736 06	9,049 79	31,267 27
Wellesley	5,539 64	992 00	10,840 40	3,227 82	20,599 86
	\$178,698 18	\$32,000 00	\$349,690 29	\$198,025 99	\$758,414 46

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR	Due Dates	Sinking Fund Dec. 1, 1925	Amount of Dec. 1, 1925 Sinking Fund at Maturity of Loan. Ac- cumulations reckoned at 3½ Per Cent	Balance	Portion of Balance to be provided for this Year	Sinking Fund Re- quirements for 1926
\$800,000 (680,000)	Jan., 1930 Sunk	\$650,581 66	\$754,818 94	\$725,181 06	\$27,194 29	\$24,326 07
\$39,000 (555,837)	Mar., 1935 Sunk	439,301 70	613,733 84	781,103 16	29,291 37	21,759 94
65,000 (40,625)	Mar., 1936 Sunk	30,923 05	44,836 81	60,788 19	2,279 56	1,631 68
1,024,912 (538,079)	July, 1939 Sunk	361,205 41	596,458 22	966,532 78	32,217 76	20,249 06
3,586,000 (1,763,116)	July, 1940 Sunk	1,132,929 11	1,941,617 86	3,407,498 14	113,583 27	68,784 18
996,000 (390,100)	Jan., 1943 Sunk	228,146 46	429,054 90	957,045 10	31,901 50	17,605 45
392,000 (140,467)	July, 1944 Sunk	77,089 35	153,283 84	379,183 16	12,639 44	6,597 22
175,000 (51,042)	Jan., 1946 Sunk	35,283 88	74,179 04	151,862 96	5,062 10	2,498 97
1,000,000 (291,667)	Jan., 1946 Sunk	173,704 54	365,187 61	926,479 39	30,882 65	15,245 61
\$8,877,912 (4,450,933)	- Sunk	\$3,129,165 16	\$4,973,171 06	\$8,355,673 94	\$285,051 94	\$178,698 18

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED	Due Dates	Amount provided for	Amount to be provided for	1926
\$800,000	1930	1/8+1/6+1/3+18/80	12/80	3/80
839,000	1935	1/8+1/6+1/3+3/80	27/80	3/80
65,000	1936	1/8+1/6+1/3	3/8	3/80
1,024,912	1939	1/8+1/6+7/30	3/30+3/8	1/30
3,586,000	1940	1/8+1/6+6/30	4/30+3/8	1/30
996,000	1943	1/8+1/6+3/30	7/30+3/8	1/30
392,000	1944	1/8+1/6+2/30	8/30+3/8	1/30
175,000	1946	1/8+1/6	1/3+3/8	1/30
1,000,000	1946	1/8+1/6	1/3+3/8	1/30

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1925 and the Census Returns of 1925. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS	State Valuation, Acts of 1925, Chapter 212	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent)	Population, State Census, 1925	Proportion for Main- tenance and Operation (Per Cent)
Boston:	\$441,644,788	43.22	297,116	53.32
Brighton	\$97,907,307			
Back Bay	102,202,995			
Roxbury	58,264,077			
West Roxbury	64,131,711			
Dorchester	95,544,567			
Hyde Park	23,594,131			
Brookline	149,521,993	14.63	42,681	7.66
Dedham	20,534,210 ¹	2.01	13,230 ²	2.37
Milton	29,460,067	2.88	12,861	2.31
Needham	17,804,996	1.75	8,977	1.61
Newton	126,955,555	12.42	53,003	9.51
Quincy	101,996,678	9.98	60,055	10.78
Waltham	56,311,341	5.51	34,746	6.24
Watertown	45,945,293	4.50	25,480	4.57
Wellesley	31,708,106	3.10	9,049	1.63
	\$1,021,883,027	100.00	557,198	100.00

¹ 95.9 per cent of the town valuation, derived from figures certified by the Board of Assessors of Dedham.² After deducting 688. Population of outer area of Dedham.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1925 and 1926.

CITIES AND TOWNS	PARKS		SEWER	
	1925	1926	1925	1926
Arlington	\$24,176 31	\$34,057 93	\$31,604 05	\$35,026 50
Belmont	14,571 59	20,694 14	18,698 54	21,117 08
Boston	1,084,358 69	1,687,954 89	457,258 21	464,904 70
Braintree	10,914 49	15,436 51	—	—
Brookline	70,776 99	102,157 03	93,910 97	97,153 62
Cambridge	117,464 49	376,932 20	164,003 85	169,756 51
Canton	5,672 30	7,565 46	—	—
Chelsea	37,040 09	49,837 28	54,570 78	56,185 00
Cohasset	258 71	273 37	—	—
Dedham	11,700 90	16,731 07	15,137 82	15,957 03
Dover	1,743 83	2,542 78	—	—
Everett	37,111 29	49,901 17	55,764 44	56,634 82
Hingham	6,898 06	9,645 46	—	—
Hull	8,208 84	12,379 75	—	—
Lexington	—	—	8,515 84	8,705 81
Lynn	84,288 62	111,823 36	—	—
Malden	41,872 22	56,509 15	60,018 77	60,646 93
Medford	37,774 30	53,790 05	50,858 58	54,696 60
Melrose	17,379 82	23,752 91	25,330 96	26,278 73
Milton	14,512 03	21,330 82	19,301 45	20,713 59
Nahant	2,737 14	4,007 78	—	—
Needham	9,161 93	13,217 27	—	12,995 02
Newton	64,202 77	91,269 22	85,555 25	88,432 52
Quincy	75,108 14	92,338 10	73,288 28	77,273 97
Reading	—	—	11,155 84	11,829 64
Revere	23,848 80	32,405 85	35,823 09	37,084 74
Saugus	7,739 83	10,371 63	—	—
Somerville	76,310 59	101,388 80	109,022 32	110,474 00
Stoneham	7,154 80	9,963 71	9,851 41	10,373 46
Swampscott	10,795 93	15,206 80	—	—
Wakefield	12,645 85	17,634 18	18,383 59	19,628 68
Waltham	31,523 91	43,519 12	42,339 40	43,234 22
Watertown	24,622 53	102,141 23	32,994 89	34,267 27
Wellesley	14,489 95	21,663 20	19,177 28	20,599 86
Weston	4,167 81	6,080 48	—	—
Westwood	2,066 01	2,993 13	—	—
Weymouth	14,055 07	19,316 25	—	—
Winchester	14,082 71	19,842 11	19,854 29	20,792 47
Winthrop	13,549 16	18,081 34	19,917 59	20,152 56
Woburn	13,703 75	18,414 87	20,313 19	20,971 03
	\$2,048,690 25	\$3,293,170 40	\$1,552,650 68	\$1,615,886 36

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1926:

Bonds outstanding (sinking fund) \$4,125,000 00

Bonds outstanding (serial) 233,000 00

\$4,358,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1926 1,670,503 07

an increase for the year of \$92,255.94.

Net Charles River Basin debt, April 1, 1926 \$2,687,496 93

a decrease for the year of \$102,255.94.

Total Charles River Basin Assessment for 1926 — District.

Serial bonds	\$10,000 00
Interest:	
One year on \$4,125,000	\$142,250 00
Six months on 243,000	4,390 00
Six months on 233,000	4,210 00
Interest on advances and temporary loans, estimated 1926	5,000 00
Adjustment of interest charges in 1925	1,450 38
	<hr/>
Interest on Bridge	\$157,300 38
	41,381 82
	<hr/>
	115,918 56
Maintenance as appropriated by Legislature	\$200,000 00
Less balance on hand	1,296 74
	<hr/>
	198,703 26
	<hr/>
Total Charles River Basin District assessment	\$324,621 82

Charles River Bridge.

Sinking fund	\$10,209 30
Interest	41,381 82
	<hr/>
	\$51,591 12

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED	Due Dates	Sinking Fund Dec. 1, 1925	Amount Dec. 1, 1925 Sinking Fund at Ma- turity of Loan. Accumulations reckoned at 3½ Per Cent	Balance to be provided for	Sinking Fund Requirements for 1926
\$177,272 73	Jan., 1944	\$242,848 64	\$473,990 95	—	—
283,636 36	Jan., 1945	416,564 21	843,823 42	—	—
425,454 55	Jan., 1946	403,425 90	848,142 13	—	—
815,454 55	Jan., 1947	520,232 35	1,135,108 72	—	—
283,636 36	Jan., 1948	127,416 54	288,536 76	—	—
602,727 28	Jan., 1949	160,379 10	376,927 97	—	—
336,818 17	Jan., 1950	20,651 94	50,374 03	—	—
\$2,925,000 00	—	\$1,891,518 68 ¹	\$4,016,903 98	—	—

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$32,980 89	\$64,371 96	\$8,355 31	\$332 28
116,363 64	Jan., 1945	52,680 62	106,713 78	9,649 86	356 12
174,545 45	Jan., 1946	66,442 59	139,685 53	34,859 92	1,196 99
334,545 45	Jan., 1947	111,118 98	242,453 44	92,092 01	2,949 28
116,363 64	Jan., 1948	34,659 62	78,487 26	37,876 38	1,133 78
247,272 72	Jan., 1949	65,338 22	153,559 93	93,712 79	2,627 09
138,181 83	Jan., 1950	31,495 50	76,823 54	61,358 29	1,613 76
\$1,200,000 00	—	\$394,716 42	\$862,095 44	\$337,904 56	\$10,209 30

¹ Includes \$638,494.93, balance of cost of embankment which is due from City of Boston.

ANALYSIS OF CHARLES RIVER BASIN DEBT, JULY 1, 1926.

DEBT	Total	Cambridge, Charles River Bridge	Boston, Charles River Bridge	Boston Embankment	District
Gross Debt	\$4,358,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,310,363 57
Sinking Fund	1,678,458 08	201,037 45	201,037 45	203,141 50	1,067,241 68
	\$2,679,541 92	\$398,962 55	\$398,962 55	\$638,494 93	\$1,243,121 89

CHARLES RIVER BASIN LOAN — ASSESSMENT.

(For Table of percentages see page 13.)

CITIES AND TOWNS	Serial Bonds	Interest	Maintenance	Total
Arlington	\$111 20	\$1,289 00	\$2,209 56	\$3,609 76
Belmont	66 59	771 93	1,323 21	2,161 73
Boston	5,574 22	64,615 49	110,761 45	180,951 16
Braintree	52 01	602 92	1,033 50	1,688 43
Brookline	397 05	4,602 58	7,889 57	12,889 20
Cambridge	541 90	6,281 59	10,767 67	17,591 16
Canton	26 17	303 31	519 93	849 41
Chelsea	162 42	1,882 69	3,227 23	5,272 34
Dedham	56 83	658 72	1,129 15	1,844 70
Dover	9 90	114 81	196 81	321 52
Everett	168 82	1,956 96	3,354 54	5,480 32
Hingham	34 97	405 36	694 85	1,135 18
Hull	51 10	592 35	1,015 38	1,658 83
Lynn	367 89	4,264 53	7,310 10	11,942 52
Malden	166 14	1,925 85	3,301 23	5,393 22
Medford	154 51	1,791 03	3,070 11	5,015 65
Melrose	80 19	929 61	1,593 50	2,603 30
Milton	78 23	906 84	1,554 47	2,539 54
Nahant	15 63	181 18	310 57	507 38
Needham	47 28	548 07	939 49	1,531 84
Newton	337 13	3,907 94	6,698 84	10,943 91
Quincy	270 85	3,139 66	5,381 88	8,792 39
Revere	102 60	1,189 33	2,038 71	3,330 64
Saugus	30 35	351 86	603 15	985 36
Somerville	305 69	3,543 50	6,074 14	9,923 33
Stoncham	29 03	336 49	576 80	942 32
Swampscott	56 03	649 45	1,113 26	1,818 74
Wakefield	58 78	681 35	1,167 94	1,908 07
Waltham	149 53	1,733 37	2,971 28	4,854 18
Watertown	122 01	1,414 28	2,424 32	3,960 61
Wellesley	84 20	976 04	1,673 09	2,733 33
Weston	23 20	268 93	460 99	753 12
Westwood	11 09	128 60	220 41	360 13
Weymouth	64 20	744 24	1,275 75	2,084 19
Winchester	73 21	819 02	1,455 35	2,377 61
Winthrop	60 09	696 55	1,194 00	1,950 64
Woburn	58 93	683 13	1,171 00	1,913 06
	\$10,000 00	\$115,918 56	\$198,703 26	\$324,621 82 ¹

¹ Exclusive of \$51,591.12, special assessments on Boston and Cambridge, and \$25,539.80, embankment interest on Boston which are included on page 4.

	Metropolitan Parks	Metropolitan Parks, Nantasket	Metropolitan Parks, Boulevards	Metropolitan Sewerage, North System	Metropolitan Sewerage, South System	Metropolitan Water	Charles River Basin	TOTAL
Bonds outstanding (Sinking Fund)	\$8,785,000 00	\$700,000 00	\$2,567,500 00	\$6,563,000 00	\$8,872,912 00	\$41,398,000 00	\$4,125,000 00	\$508,100 60
Bonds outstanding (Serial)	90,000 00	-	1,791,312 50	1,349,000 00	882,000 00	3,661,000 00	233,000 00	317,444 40
Gross debt	\$8,875,000 00	\$700,000 00	\$4,358,812 50	\$7,912,000 00	\$9,754,912 00	\$45,059,000 00	\$4,358,000 00	23,833,395 80
Sinking Funds, July 1, 1926	5,100,894 78	384,262 13	1,392,753 19	4,912,266 87	3,187,500 44	22,962,069 64	1,678,458 08	2,099,178 12
Net debt	\$3,774,105 22	\$315,797 87	\$2,966,059 31	\$2,999,793 13	\$6,572,411 56	\$22,096,930 36	\$2,679,541 92	20,801 37
	For percentages see page 13	For percentages see page 14	For percentages see page 15	For percentages see page 16	For percentages see page 17	For percentages see page 18	For percentages see page 19	For percentages see page 20
1 Arlington	\$41,367 43	\$3,502 70	\$29,361 20	\$130,373 92	-	\$289,072 64	\$13,823 51	\$508,100 60
2 Belmont	25,132 40	17,583 23	78,105 56	78,105 56	-	180,763 25	8,278 22	317,444 40
3 Boston	2,103,767 03	175,383 36	1,608,481 70	381,321 44	\$2,840,596 28	14,993,783 71	1,730,400 71	23,833,395 80
4 Braintree	19,630 09	1,638 37	13,733 54	-	-	49,358 58	6,465 78	41,467 82
5 Brookline	14,985 10	12,506 99	104,839 18	635,535 73	961,543 81	-	46,326 54	2,099,178 12
6 Cambridge	204,517 60	17,069 52	143,084 32	-	-	-	3,252 77	1,406,384 11
7 Canton	9,875 38	824 22	6,909 00	-	-	-	20,190 13	808,739 16
8 Chelsea	61,297 02	5,115 99	42,884 53	190,363 74	-	548,887 75	-	802 15
9 Cohasset	-	802 15	-	-	132,105 47	-	7,064 15	177,410 50
10 Dedham	21,446 69	1,789 99	15,004 50	-	-	-	1,231 28	7,806 73
11 Dover	3,738 16	312 00	2,615 29	-	-	737,065 21	20,980 61	1,083,449 28
12 Everett	63,715 13	5,317 82	44,576 26	212,788 22	-	-	4,317 10	27,879 16
13 Hingham	13,197 75	1,101 52	9,233 39	-	-	-	6,352 38	10,470 43
14 Hull	19,285 75	1,669 63	13,492 67	-	-	94,243 41	-	129,880 63
15 Lexington	-	-	-	35,637 52	-	-	45,733 28	293,336 91
16 Lynn	138,845 76	11,588 39	97,139 08	-	-	489,734 27	19,267 17	522,009 23
17 Malden	62,702 42	5,233 29	43,867 78	209,818 43	-	438,778 75	20,665 04	743,419 67
18 Medford	58,312 76	4,806 92	40,796 69	181,157 38	-	216,815 08	9,969 19	374,861 08
19 Melrose	30,266 36	2,526 10	21,171 91	94,142 44	189,285 45	141,575 05	33,231 91	333,231 91
20 Milton	29,525 07	2,464 23	20,656 29	-	-	32,195 23	1,442 66	44,096 66
21 Nahant	6,898 80	492 33	4,126 91	-	115,017 20	-	3,877 58	132,712 98
22 Needham	17,844 28	1,489 33	12,484 19	-	816,293 52	63,396 09	41,909 12	1,148,470 32
23 Newton	127,235 97	10,619 39	89,016 44	-	653,926 67	791,088 82	33,669 18	1,706,940 37
24 Quincy	102,221 72	8,531 67	174,001 51	43,358 98	-	366,786 95	12,754 51	433,333 38
25 Reading	-	-	-	120,276 62	-	-	3,773 46	24,207 27
26 Revere	38,722 55	3,231 88	27,091 02	-	-	1,166,717 92	38,000 00	1,708,287 92
27 Saugus	11,456 01	936 14	8,014 84	358,454 03	-	32,460 36	6,004 73	143,707 97
28 Somerville	115,370 23	9,629 97	80,715 16	34,152 62	-	136,360 16	181,925 97	181,925 97
29 Stoneham	10,955 46	1,914 37	7,664 64	-	-	314,019 48	18,388 86	115,351 11
30 Swampscott	21,144 85	1,704 80	14,793 33	68,899 20	362,139 88	-	73,357 44	236,357 44
31 Wakefield	22,183 54	1,851 49	15,320 02	-	-	-	13,161 00	270,874 73
32 Waltham	56,435 58	4,710 25	39,183 39	-	-	-	19,467 12	184,068 38
33 Watertown	46,016 67	3,843 16	32,215 11	-	203,778 52	-	2,623 11	184,068 38
34 Wellesley	31,778 07	2,652 27	22,232 55	-	203,774 76	-	2,623 11	184,068 38
35 Weston	4,755 33	330 79	5,125 81	-	-	-	7,041 63	11,130 75
36 Westwood	4,757 35	330 79	5,125 81	-	-	-	7,041 63	11,130 75
37 Weymouth	24,232 93	2,022 10	16,352 32	85,897 02	-	175,560 11	2,623 11	293,231 84
38 Weymouth	27,072 53	2,307 11	16,330 99	70,384 10	-	-	2,623 11	293,231 84
39 Winthrop	22,678 44	1,892 80	15,806 35	69,196 18	-	-	7,525 98	175,180 76
40 Woburn	22,271 61	1,836 34	15,360 65	-	-	-	-	-
	\$3,774,105 22	\$315,797 87	\$2,879,566 66	\$2,999,793 13	\$6,572,411 56	\$22,096,930 36	\$2,679,541 92	\$41,318,146 72

1 See page 30 for details.

2 District proportions.

3 Exclusive of \$86,492.65, share of counties of Norfolk and Plymouth and the Bay State Street Railway Company.

INDEX.

	PAGE
A.	
Alewife Brook	23
B.	
Bay State Street Railway Company, Neponset Bridge, special assessment	20, 21
Boston:	
Charles River Bridge, sinking fund and interest	29
Massachusetts Avenue Bridge	22, 23
Western Avenue Bridge	22, 23
Western Avenue and Arsenal Street Bridge	22, 23
Boston Elevated Railway Company:	
Refund on account of cost of reconstruction of Wellington Bridge	23
Western Avenue Bridge	23
Western Avenue and Arsenal Street Bridge	23
Boulevards. See "Metropolitan Parks Loan."	
Bridges, Assessments on account of construction of certain, over the	
Charles River	22, 23
Brookline, Assessment for payment to	8
C.	
Cambridge:	
Charles River Bridge, Sinking Fund and Interest	29
Massachusetts Avenue Bridge	22, 23
Western Avenue Bridge	22, 23
Western Avenue and Arsenal Street Bridge	22, 23
Charles River, Assessments on account of construction of certain bridges	
over the	22, 23
Charles River Basin Debt, Analysis of	30
Charles River Basin Loan:	
Assessment, how made up	29
Debt, Gross and Net	28
Division of Assessment into Serial Bonds, Interest and Maintenance	
Requirements	30
Proportion in Percentages	13
Sinking Fund, Charles River Bridge	29
Sinking Fund, District	29
Charles River Bridge, Boston and Cambridge	20
Counties, Assessments on	6, 20, 21, 22, 23
D.	
Debts of the Metropolitan Districts for 1926	31
E.	
Everett and Malden, Special Assessment	24
M.	
Malden and Everett, Special Assessment	24
Metropolitan Districts, Statement of the Debts of, for 1926	31
Metropolitan Districts:	
Special Assessments	5
Total Assessments	4
Metropolitan Parks Loan:	
Assessment, how made up	10, 11
Debt, Gross and Net	10
Division of Assessment into Sinking Fund, Serial Bonds, Interest and	
Maintenance Requirements and Metropolitan Planning Division	12
Interest Requirements, Boulevards	19

	PAGE
Interest Requirements, Nantasket	19
Interest Requirements, Parks	19
Maintenance Requirements, Boulevards	20
Maintenance Requirements, Nantasket	20
Maintenance Requirements, Parks	20
Maintenance Requirements, Wellington Bridge	20
Neponset Bridge, Special Assessments	20, 21, 22
Planning Division	12
Proportion in Percentages to be paid annually	13, 14, 15
Serial Bonds Requirements (Boulevards), Series 2	18
Serial Bonds Requirements, Parks	18
Sinking Fund (Boulevards), Series 2	16
Sinking Fund, Nantasket	16
Sinking Fund, Parks	16
Sinking Fund Requirements (Boulevards) Series 2	17
Sinking Fund Requirements, Nantasket	17
Sinking Fund Requirements, Parks	17
Total Assessments and Grand Total	12
Wellington Bridge, Special Assessment	22
Metropolitan Parks and Sewerage Loans, Comparison of 1925 and 1926 Assessments	28
Metropolitan Planning Division	12
Metropolitan Sewerage Loan, North System:	
Amounts provided for and to be provided for	26
Assessments, how made up	24
Debt, Gross and Net	24
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	25
Everett and Malden, Special Assessment	24
Proportion in Percentages to be paid annually	26
Sinking Fund	25
Metropolitan Sewerage Loan, South System:	
Amounts provided for and to be provided for	27
Assessment, how made up	25
Debt, Gross and Net	24
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements	26
Proportion in Percentages to be paid annually	27
Sinking Fund	27
Metropolitan Water Loan:	
Assessment, how made up	6
Brookline, Assessment for payment to	8
Comparison of Total 1925 and 1926 Assessments	9
Computations for Determining Assessment	7
Debt, Gross and Net	6
Division of Assessment into Sinking Fund, Serial Bonds, Interest and Maintenance Requirements, credit to Brookline and Development, Improvement, etc.	8
Sinking Fund	7
Study of Water supply needs	8
Middlesex, County of:	
Construction of certain bridges over the Charles River	23
Neponset Bridge, Special Assessment	20, 21, 22

N.**PAGE**

Nantasket. See "Metropolitan Parks Loan."

Neponset Bridge, Special Assessments 20, 21, 22

Net Water Debt of Cities of Original Metropolitan Water District. 9

Norfolk, County of:

Neponset Bridge, Special Assessment 20, 21, 22

P.

Parks Loan. See "Metropolitan Parks Loan."

Plymouth, County of:

Neponset Bridge, Special Assessment 20, 21, 22

R.

Refund on account of cost of reconstruction of Wellington Bridge 23

Revenue from Water Received by Cities and Towns, 1925 9

S.

Sewerage Loan. See "Metropolitan Sewerage Loan, North System";

"Metropolitan Sewerage Loan, South System."

Special Metropolitan Districts Assessments 5

Street Railways, Assessments on 6, 20, 21, 23

Study of Water supply needs 8

T.

Total Assessments for Metropolitan Districts 4

W.

Water Debt, Net, of Cities of Original Metropolitan Water District 9

Water Loan. See "Metropolitan Water Loan."

Water Revenue received by Cities and Towns in 1925 9

Water Supply needs, Study of 8

Watertown, Western Avenue and Arsenal Street Bridge 22, 23

Wellington Bridge:

Maintenance, District Assessment 20

Maintenance, Special Assessment 22

Refund on account of cost of reconstruction 23

5647 897

ACME
BOOKBINDING CO., INC.

JUL 28 1991

100 CAMBRIDGE STREET
CHARLESTOWN, MASS

